PHASE II INVESTIGATION
TARGETED BROWNFIELDS ASSESSMENT
REPORT

Dogwood Road Site
El Centro, Imperial County, California

Prepared for
U.S. Environmental Protection Agency
Region 9

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Prepared by

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LIST OF ABBREVIATIONS AND ACRONYMS

ACM	asbestos-containing material
ACCM	asbestos-containing construction material
AETL	American Environmental Testing Laboratories
AOC	analyte of concern
AQMD	Air Quality Management District
ASTM	American Society for Testing and Materials
AUL	Activity and Use Limitation
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, xylene
°C	degrees Celsius
CAL INC	CAL INC Training, LLC.
Cal-OSHA	California Occupational Safety and Health Administration
CAM	California Assessment Manual
CCR	California Code of Regulations
CHHSL	California Human Health Screening Levels
CSM	Conceptual Site Model
DTSC	Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
°F	degrees Fahrenheit
FAL	Forensic Analytical Laboratories
FEMA	Federal Emergency Management Agency
ft^2	square foot, feet
Global Probe	Global Probe, Inc.
GPS	Global Positioning System
GLSC	GS Lyon Consultants, Inc.
HASP	Health and Safety Plan
HCD	Housing and Community Development
HE	Heffernan Environmental
IID	Imperial Irrigation District
LBP	lead-based paint
mg/kg	milligram per kilogram
mm	millimeters

NESHAP	National Emission Standards for Hazardous Air Pollutants
OSHA	Occupational Safety and Health Administration
PCB	polychlorinated biphenyl
PLM	polarized light microscopy
PM	Project Manager
POC	point of contact
PPE	Personal Protective Equipment
ppm	parts per million
QA	quality assurance
QAO	Quality Assurance Officer
QC	quality control
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
RSL	Regional Screening Level
RWQCB	Regional Water Quality Control Board
SAP	Sampling and Analysis Plan
Site	Dogwood Road Site
STLC	soluble threshold limit concentration
TBA	Targeted Brownfields Assessment
TM	Task Monitor
TPH-d	total petroleum hydrocarbons as diesel
TPH-mo	total petroleum hydrocarbons as motor oil
TPH-g	total petroleum hydrocarbons as gasoline
USACE	U.S. Army Corps of Engineers
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VOC	volatile organic compound
WESTON	Weston Solutions, Inc.

1. INTRODUCTION

1.1 SCOPE OF WORK AND PURPOSE

The U.S. Environmental Protection Agency (EPA), Region 9, in coordination with the U.S. Army Corps of Engineers (USACE), tasked Weston Solutions, Inc. (WESTON®) to conduct a Targeted Brownfields Assessment (TBA) Phase II Investigation for the City of El Centro (City) at the Dogwood Road Site (Site) in El Centro, Imperial County, CA. The City is the recipient of an EPA Region 9 TBA; TBAs are intended to characterize conditions at Brownfields Sites that are under consideration for planned redevelopment or reuse. The City has plans to redevelop the former construction and heavy equipment storage property as a commercial property. The City and the property owner are working together to determine if the Site is suitable for commercial activities.

In September 2004, a Phase I Environmental Site Assessment (ESA) of the Site was conducted by GS Lyon Consultants, Inc. (GSLC) for Becker/Mealey, LLC. Recognized Environmental Conditions (RECs) were identified during the Phase I ESA at the Site. This Phase II ESA was conducted in general accordance with American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process (E1903-11), and project scoping meetings with stakeholders. The work has been performed for the EPA under USACE Contract W91238-11-D-0001. This report has been prepared under Inter-Agency Agreement DW96857770 between the EPA and the USACE.

The Standard Practice for Site Assessments, as issued by ASTM, defines recognized environmental conditions as follows:

"The term *recognized environmental conditions* means the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (1) due to any *release* to the *environment*; (2) under conditions indicative of a *release* to the *environment*; or (3) under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis* conditions are not *recognized environmental conditions*". (ASTM E1527-13).

The objective of the assessment is to identify existing or potential environmental liabilities; therefore, this effort does not preclude the potential for future environmental problems. The Phase I ESA did not include the assessment of asbestos-containing materials (ACM) or lead-based paint (LBP) at the Site; however, based on the buildings age, these business environmental risks are likely to be present. The Phase I ESA reported the presence of four RECs at the Site; hydrocarbon contamination at the sump, hydrocarbon contamination at the concrete pad, suspected LBP on both the residential and office structures, and a discarded lead-acid battery near the residential structure.

WESTON conducted a Phase II Investigation of the property to evaluate Site environmental concerns in an effort to facilitate redevelopment. To evaluate environmental concerns from former Site activities, WESTON collected samples to assess existing soil conditions for analytes of concern (AOCs). Surface soil samples were collected from 16 locations; subsurface soil samples were collected from six collocated locations, which allowed vertical characterization of

the soil. Additionally, a hazardous materials survey was conducted at the Site buildings for ACM and LBP.

The AOCs for the soil sampling included California Administrative Manual (CAM) 17 metals by EPA Method 6010B/7471, total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), total petroleum hydrocarbons as motor oil (TPH-mo) by EPA Method 8015/8015B, and benzene, toluene, ethylbenzene, and total xylene (BTEX) by EPA Method 5030/8021B. AOCs were determined based on the historical activities performed at or near the Site. Samples collected from the Site buildings for asbestos content were analyzed by EPA Method 600/R-93/116 using polarized light microscopy (PLM) and paint chip samples were analyzed for lead by EPA Method SW 846 3050B/7000B.

Soil sampling results were compared against action levels established in the EPA-approved Sampling and Analysis Plan (SAP) to determine the risk to human health and the environment, and to determine mitigation requirements (if any exist).

1.2 SPECIAL TERMS AND CONDITIONS

This document has been prepared by WESTON solely for the use and benefit of EPA, USACE, and the City. Any use of this document or information herein by persons or entities other than EPA, USACE, and the City without the express written consent of WESTON, will be at the sole risk and liability of said person or entity. WESTON will not be liable to EPA, USACE, and the City or such persons or entities for any damages resulting therefrom. It is understood that this document may not include all information pertaining to the described site.

1.3 PERSONNEL PERFORMING ESAs AND QUALIFICATIONS

This ESA was completed by the following team of WESTON personnel:

WESTON Program Manager – The WESTON Program Manager is Joe DeFao. Mr. DeFao is responsible for the overall management of the contract, including cost, schedule, and technical quality.

WESTON Project Manager (PM), and Environmental Professional – The WESTON PM and Environmental Professional is Ian Bruce. Mr. Bruce is responsible for all tasks assigned to WESTON by EPA; working with the EPA Quality Assurance Officer (QAO) to ensure project quality assurance (QA) goals are met; preparing the SAP and technical review of the final report.

WESTON Site Assessor and Field Manager – The WESTON Site Assessor and Field Manager is Jon Colomb. Mr. Colomb is responsible for making Site observations; implementing the sampling design; collecting, handling, documenting, and transporting samples; generating field documentation of sampling activities; and reporting.

1.4 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

ASTM E1527-13 acknowledges that "No *environmental site assessment* can wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with a *property*." The ESA "... is intended to reduce, but not eliminate, uncertainty regarding the potential for *recognized environmental conditions* in connection with a *property*, and this practice recognizes reasonable limits of time and cost." Furthermore, the ASTM E1527-13 states that "There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions."

This Phase II assessment report contains the results of sampling activities conducted at the Site in September 2014, and a review of property, government, and historical records from the Phase I ESA. Additionally, this Phase II assessment report contains the results from a hazardous materials survey conducted at the Site for ACM and LBP.

1.5 USER RESPONSIBILITIES

In Section 6 of ASTM E1527-13, the responsibilities of the user of a Phase I/II ESA to assist in the identification of potential recognized environmental conditions include the following:

- A review of reasonably ascertainable land title records and liens that might be recorded against the property, including environmental liens or activity and use limitations (AULs). AULs are defined as "an explicit recognition by a federal, tribal, state, or local regulatory agency that residual levels of hazardous substances or petroleum products may be present on a property, and that unrestricted use of the property may not be acceptable." As part of this ESA, WESTON has not been notified of any such liens or restrictions. WESTON's scope of work did not include a complete review of title information, and no chain-of-title information was provided for review.

- Communication to the Environmental Professional of any specialized knowledge or experience, or other information that might be material to the identification of recognized environmental conditions. No specialized knowledge or experiences were communicated to WESTON about the property.

- Communication to the Environmental Professional of any actual knowledge regarding existing environmental liens or AULs at the property or in connection with the property. Additionally, the degree of obviousness of the presence of releases or threatened releases, including their ability to be detected, must be considered and divulged by the user. No actual knowledge, nor information about obviousness, was communicated to WESTON about the property by the user.

- Consideration of the purchase price to the fair market value of the subject property, assuming the subject property has not been contaminated through past usage. No information regarding the purchase price or fair market value was provided to WESTON.

2. BACKGROUND

2.1 LOCATION AND DESCRIPTION

The Site is located at 1402 – 1406 Dogwood Road, Imperial County, CA. Chain-link fence surrounds the Site, with access gates on the north and east sides of the Site. The 4.75 acre property is bordered to the north by Ross Road, to the east by Dogwood Road, to the south by an empty lot zoned for commercial/industrial use, and to the west by a light manufacturing property. The geographic coordinates of the Site are 32° 46' 50.916" N, 115° 32' 9.4482" W. The Site location map is presented in Figure 2-1.

Two vacant structures are situated on the Site, including an office structure (1,800 square feet [ft^2]) and one residential structure (1,200 ft^2). A concrete cistern is centrally located between the two structures. A concrete pad is positioned on the west portion of the Site near the Site boundary, with a sump structure. A pole-mounted transformer is present northwest of the concrete pad along the Site boundary. The Site layout map is presented in Figure 2-2.

2.2 OPERATIONAL HISTORY

Prior to 1949, the Site was used as a residential/agricultural property. According to aerial photographs from the Imperial Irrigation District (IID) archives, agricultural use was discontinued on the property by 1965, at which time structures were built on the west side of the Site. The property was used primarily as an office and shop for a general construction and engineering business, which utilized heavy equipment. Currently, the Site is zoned as a light manufacturing property.

The property was first owned by George (Laddy) Willoughby, and then owned by Eagle A Construction. After 1976, the property was purchased by Becker/Mealy Properties on behalf of the Arellano family. The property is currently owned by Martha Arellano and managed by her son, Antonio Arellano. The owner is working with the City to utilize California's Revolving Loan Fund and/or State Housing and Community Development (HCD) Proposition C funds to investigate the Site for the potential development of a commercial property. The City is working to revitalize the surrounding area and plans to have the buildings at the Site demolished and removed in preparation for redevelopment.

2.3 PREVIOUS INVESTIGATIONS AND REGULATORY INVOLVEMENT

2.3.1 Phase I Environmental Site Assessment

In September 2004, GSLC conducted a Phase I ESA for Becker/Mealey, LLC. Notable features and environmental conditions are summarized as follows:

- One pole-mounted transformer, associated with overhead power lines, is located along the west boundary of the Site. No leaks were observed. The IID initiated testing of all transformers, and those with polychlorinated biphenyls (PCBs) are slated for removal within two years.

- Hydrocarbon staining was observed along the margins of the concrete pad, and within the sump at the west side of the concrete pad.
- Flaking exterior paint was observed at the residential and office structures, and accumulating in soils along the walls. The age of the structures indicate potential for LBP.
- An old lead-acid battery was discovered near the southwest corner of the residential structure.
- A regulatory agency database review revealed no past and/or current sites of hazardous materials generation, storage, or contamination at the Site. No adjacent sites within a distance of 1.0 miles from the Site were identified during regulatory agency database review.

Based upon the results of the Phase I ESA, it was recommended that all hydrocarbon residue and staining be cleaned and removed from the Site, paint suspected to contain lead should be sampled and analyzed, and the non-hazardous and hazardous debris (e.g., lead-acid battery) be removed from the Site and properly disposed of or recycled at an appropriate off-site facility. The complete Phase I ESA document is included in Appendix A.

There have been no other regulatory involvement or environmental assessments conducted at the Site.

2.4 GEOLOGICAL AND METEOROLOGICAL INFORMATION

The Site is located within a region known as the Colorado Desert Physiographic on the Salton Trough – which spans roughly 1,000 miles in length through the Imperial Valley. The topography of the Imperial Valley is relatively flat, with few significant land features. The Salton Trough is a structural depression bounded to the northeast by the San Andreas Fault and to the southwest by faults of the San Jacinto Fault Zone. The Site is directly underlain by Holocene Cahuilla Lake beds, which consist of interbedded lenticular and tabular sand, silt, and clay.

The Site is flat and is situated at an elevation of approximately 39 ft below mean sea level. The general topographic gradient of the Site is west. The Site is positioned in Federal Emergency Management Agency (FEMA) Flood Zone X, indicating an area outside of the 0.2% annual chance floodplain. The Holocene Lake deposits are considered to be less than 100 ft thick and are characterized by surficial clay and silt deposits with varying amounts of fine sand. The predominant surface soil is silty clay. The Site is located within the Salton Sea Transboundary Watershed which is a unit within the larger Colorado River Basin Region. Small tributaries and creeks are found within 5 miles of the Site, but no significant surface water sources are in the immediate area. Groundwater in the region occurs in Holocene and Pleistocene age sediments at relatively shallow depths. The numerous faults in the area prevent the groundwater from accumulating in one particular aquifer, but are rather spread between numerous individual aquifers throughout the Imperial Valley.

The climate of El Centro and Imperial County is characterized as Dry (arid and semiarid) Climate, although it is often further classified as Desert Climate due to its low rainfall; the average temperatures range from 54.5 degrees Fahrenheit (ºF) (January) to 91.6ºF (July). Average precipitation in El Centro is a sparse 65 millimeters (mm) per year, with the majority of rainfall occurring between August and March.

3. ASSESSMENT ACTIVITIES

The objective of this investigation was to evaluate Site environmental concerns to facilitate redevelopment. The City plans to redevelop the Site by removing the existing structures to facilitate future commercial activities at the Site. WESTON reviewed available Site information to determine historic uses and identify hazardous substances that may be present on-site. WESTON used this information and Site history to determine the most effective sampling design to meet the project objectives within the schedule and budgetary constraints.

The following potential sources of contamination were identified at the Site:

- **Heavy Equipment Storage and Operation** – The Site was historically used for the storage and maintenance of heavy equipment related to construction and engineering. Hydrocarbon staining of soil and broken battery pieces were observed during the Site visit and Phase I assessment. Contaminants typically associated with these types of activities include heavy metals and constituents of oil or fuels (TPH-g, TPH-d, TPH-mo, and BTEX).

- **ACM and LBP Structures** – Two existing structures on the Site have been marked for demolition and may contain ACM and LBP. A survey of these structures is necessary to document the presence and location of these hazardous materials.

- **Adjacent Residences and Commercial Properties** – Several nearby commercial properties exist adjacent to the Site. Light manufacturing activities and associated underground storage tanks (USTs) from commercial properties might introduce hazardous wastes (metals, TPH-g, TPH-d, TPH-mo, and BTEX) onto the property.

On September 10, 2014, WESTON supervised ULS Services Corporation of San Diego, CA, in a geophysical survey using electromagnetic induction metal detectors to locate and mark underground utilities at the Site. Additionally, Underground Service Alert was notified to have public underground utilities identified prior to drilling.

On September 11, 2014, WESTON collected 33 surface soil samples from a total of 22 sampling locations throughout the Site to provide spatial coverage. WESTON supervised Global Probe, Inc. (Global Probe), of Ventura, CA, in the collection of 17 subsurface soil samples from six collocated sampling locations using a truck-mounted, direct-push drill rig. The borings were backfilled with neat cement grout upon sampling completion. The sampling locations were identified and marked by WESTON using a Global Positioning System (GPS). The sampling locations were roughly identified using GPS, and then positions were refined based upon visual observations. Actual positions were manually recorded in the field notebook and on field maps at the time of sampling due to inadequate GPS accuracy (horizontal accuracy of ± 15 – 20 ft); coordinates for each sampling location were later identified using satellite imagery. Sampling locations, analytical parameters, and detailed rationale are described and summarized in Table 3-1. Sampling locations are shown in Figure 3-1.

On September 11, 2014, WESTON submitted soil samples under chain-of-custody to American Environmental Testing Laboratory, Inc. (AETL) in Burbank, California. A total of 37

investigative soil samples were collected from 22 soil sampling locations, including four duplicate samples. All 37 soil samples were analyzed for CAM 17 metals, TPH-d, and TPH-mo, including four duplicate samples; 13 soil samples were selected for TPH-g and BTEX analyses, including two duplicate samples. The Analytical Chemistry Report is included as Appendix B.

On September 11, 2014, WESTON supervised Heffernan Environmental (HE) of Vacaville, CA, in a hazardous materials survey of Site buildings. During the assessment, 23 suspected ACM bulk samples and eight suspected LBP chip samples were collected for laboratory analyses. Samples collected during the ACM and LBP survey were analyzed by Forensic Analytical Laboratories (FAL), Hayward, CA. The Limited Hazardous Materials Survey Report for each Site building, performed by HE and administered by CAL INC Training, LLC (CAL INC), is included as Appendix C.

Sampling results were evaluated against Site action levels, as defined in Section 4, to determine risk to human health and the environment. The data collected during this Site investigation were used to evaluate environmental concerns at the Site and identify the potential impact on future development for recreational use. The data were specifically used to determine if soil has been impacted by historic uses and to support redevelopment decisions.

3.1 HAZARDOUS MATERIAL SURVEY

A hazardous building material survey of the structures at the Site was conducted by HE's California Division of Occupational Safety and Health Certified Site Surveillance Technician.

A total of seven bulk samples that were suspect ACM were collected at the residential building from the plaster wall system, vinyl flooring, and external concrete slab. A total of 16 bulk samples that were suspect ACM were collected at the office building from the ceiling tiles, vinyl flooring, drywall system, roofing vapor barrier, wall vapor barriers, external stucco, and concrete slab. The ACM survey evaluated the condition of the suspect ACM, whether it was friable or non-friable, and a quantity of the material estimated in ft^2. Samples collected for asbestos content were analyzed by EPA Method 600/R-93/116 using PLM. The samples were submitted under chain-of-custody control to FAL for analysis.

Four paint chip samples suspected to be LBP were collected from interior walls and exterior base and trim at the residential building. Three paint chip samples suspected to be LBP were collected from exterior base and trim at the office building. The survey evaluated the condition of the suspect LBP, whether it was friable or non-friable, and a quantity of the material estimated in ft^2. Paint chip samples were analyzed for lead by EPA Method SW 846 3050B/7000B. The samples were submitted under chain-of-custody control to FAL for analysis.

3.2 SOIL SAMPLING

A total of 33 soil samples, not including duplicate samples, were collected from the Site. Surface soil samples were collected from 22 sampling locations. A total of 11 subsurface samples were collected from six of the 22 sampling locations. Sampling locations are shown in Figure 3-1. The soil samples were analyzed for CAM 17 metals (also known as Title XXII metals) by EPA Method 6010B/7471A; TPH-d and TPH-mo by EPA Method 8015B. The soil samples were contained in labeled, pre-cleaned 4-ounce jars provided by the laboratory after the sampling

interval was homogenized in a paper bucket. Selected samples were additionally analyzed for TPH-g by EPA Method 8015B and BTEX by EPA Method 8021B. Samples for TPH-g and BTEX analyses were preserved in the field following EPA Method 5035. A 5-gram soil core sampler was used to collect the sample from undisturbed (not homogenized) soil and transferred to a labeled 40-milliliter glass vial with a plastic screw cap and a Teflon septum containing sodium bisulfate solution. All samples were chilled immediately to 4 degrees Celsius (°C) in a cooler and processed for shipment under chain-of-custody control to FAL in Hayward, CA.

Surface soil samples were collected from 6-in to 12-in below ground surface (bgs) using a direct-push drill rig equipped with a 2-in diameter by 4-ft long steel soil sampler lined with an acetate sleeve. The soil sampler was advanced to 2-ft bgs (12 inches beyond the 6-in to 12-in bgs sampling interval) to ensure adequate sample recovery. The 6-in to 12-in bgs interval of soil samples were transferred to sample-dedicated, disposable paper buckets, homogenized, and transferred to pre-labeled sample containers appropriate for the requested analyses. In locations where soil samples could be collected by hand, surface soil samples were collected from a depth of 0 to 12-in bgs using a dedicated plastic trowel. Subsurface soil samples were also collected using a direct-push drill rig. The sampler was advanced to 12-ft bgs and soil samples from two deeper intervals (6-ft to 8-ft bgs, and 10-ft to 12-ft bgs) were collected from the boring.

In accordance with the approved site-specific health and safety plan (HASP), all soil sampling activities were conducted in Level D personal protective equipment (PPE). Pristine nitrile gloves were assumed before sampling activities at each new location and for each sample to avoid cross-contamination. Non-dedicated sampling equipment was decontaminated between locations using an alconox wash and potable water rinse.

3.3 QUALITY CONTROL SAMPLES

Four duplicate soil samples were collected; DR-SB-08A, DR-SB-09B, DR-SB-14C, and DR-SS-19. The soil samples were homogenized in sample-dedicated paper buckets. The homogenized samples were then transferred to glass jars. Duplicate samples for volatile organic compound (VOC) analysis were collected directly from the undisturbed soil core and were not homogenized. Duplicate samples were packaged and sealed in the same manner as the field samples. A unique sample number was assigned to each duplicate, and submitted blind to the laboratory.

WESTON collected one equipment blank sample to assess the potential for cross-contamination from one sampling location to another from non-dedicated sampling equipment. The equipment blank sample was collected from the direct-push drill rig's soil sampler cutting shoe after all soil sampling activities were completed. The cutting shoe was decontaminated in the same manner as it was in between each boring location. The equipment blank was collected by pouring Ultra-Pure Blank Water DI+™ water over the cutting shoe and into a sample bottle. The equipment blank was labeled DR-SS-27 and analyzed for metals, TPH-d, and TPH-mo.

3.4 DEVIATIONS FROM THE SAMPLING AND ANALYSIS PLAN

There were no soil samples relocated from preselected locations during the sampling event. Figure 3-1 shows the soil sampling locations for the Site.

4. ASSESSMENT RESULTS

The analytical results of samples collected during the investigation were compared to established action levels and are presented for the protection of construction workers involved in demolition, disposal, and redevelopment activities at the Site, as well as those who will use the proposed commercial facilities.

Samples collected for ACM analyses were compared to EPA and California Occupational Safety and Health Administration (Cal-OSHA) thresholds for determining whether a building material contains asbestos. Samples collected for LBP determination were compared to U.S. Department of Housing and Urban Development and EPA thresholds for LBP determination.

Soil sampling results for metals were compared to EPA Region 9 Regional Screening Levels (RSLs) for Residential Soil (May 2014) and California Human Health Screening Levels (CHHSLs) for Residential Soil (September 2010). Soil results for TPH-g, TPH-d, and TPH-mo were compared to San Francisco Bay Regional Water Quality Control Board (RWQCB) residential land use standards from *Table A-1. Shallow Soil Screening Levels (≤3 meters bgs) for Residential Land Use (Groundwater is a Current or Potential Drinking Water Resource (December 2013)*.

These action levels also serve as screening tools to help determine whether further characterization at the Site is necessary.

4.1 HAZARDOUS BUILDING MATERIALS SURVEYS

The ACM survey was conducted to ensure demolition contractor compliance with the U.S. EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) requirements for asbestos, enforced by the North Coast Unified Air Quality Management District (AQMD). Materials containing greater than 1% asbestos as determined by PLM methodology are considered to be an ACM, according to EPA. These materials are subject to regulatory provisions under 40 CFR 61. Materials containing greater than one tenth of one percent (>0.1%) asbestos as determined by PLM methodology are considered to be an asbestos-containing construction material according to Cal-OSHA. These materials are subject to regulatory provisions under California Code of Regulations (CCR) Title 8, Section 1529.

The LBP survey was conducted to help demolition contractors comply with EPA 40 CFR Part 745 (Final Rule) abatement protocols, EPA Resource Conservation and Recovery Act (RCRA) waste and disposal requirements associated with LBP materials, and U. S. Department of Labor's Occupational Safety and Health Administration (OSHA) regulations for exposure to lead. Additionally, the LBP survey was conducted to help meet requirements mandated by state and local regulations, including the California Division of Occupational Safety and Health, California Department of Public Health, and the Department of Toxic Substances Control (DTSC). A detailed explanation of applicable regulations and guidelines for ACM and LBP has been included in Appendix C, Section 5. The U.S. Department of Housing and Urban Development and EPA define LBP as a painted or other surface coating material containing lead greater than or equal to 5,000 parts per million (ppm) or 0.5% by weight.

4.1.1 ACM Survey

A total of 23 bulk samples were collected and analyzed for asbestos using PLM; seven bulk samples were collected at the residential building and 16 bulk samples were collected at the office building. Asbestos was detected in six materials at the Site, with asbestos concentrations ranging from not detected to 3% chrysotile in the residential building, and ranging from not detected to 40% chrysotile in the office building. Building materials containing asbestos greater than 1% are considered ACM. Estimated ACM quantities at the Site totaled 3,100 ft^2; 2,000 ft^2 roofing ACM at the residential building and 1,100 ft^2 vinyl flooring ACM at the office building. Building materials containing detectable asbestos less than 1% are considered asbestos-containing construction material (ACCM). Estimated ACCM quantities of vinyl flooring at the Site totaled 65 ft^2 at the office building. Appendix C contains detailed information about materials sampled and bulk sampling results.

4.1.2 LBP Survey

Seven paint sample combinations suspected to contain lead were identified, collected as paint chips, and analyzed. Results from analyses indicated concentrations of lead ranging from less than 60 ppm to 21,000 ppm at the residential building, and ranging from 0.17% to 1.1% by weight at the office building.

At the residential building, LBP was discovered at levels greater than 5,000 ppm in three locations: blue trim paint applied to exterior woodwork (5,400 ppm) noted in poor condition, beige paint applied to interior plaster walls (16,000 ppm) noted in poor condition, and green paint applied to exterior wood walls (21,000 ppm) noted in poor condition.

At the office building, LBP was discovered at levels greater than 0.5% ppm in one location: red trim paint applied to exterior woodwork (1.1% by weight) noted in poor condition. Appendix C provides detailed information about sampled building components, paint chip lead concentrations, and the condition of paints.

4.2 SOIL SAMPLING RESULTS

A total of 33 soil samples and four duplicate samples were collected at the Site. All samples were analyzed for CAM 17 metals, TPH-d, and TPH-mo; 11 samples were analyzed for BTEX and TPH-g. The analytical results of the soil samples are summarized in Table 4-1 and Table 4-2. The locations of samples exceeding action levels for petroleum hydrocarbons are shown in Figure 4-2. The complete analytical laboratory data report is included as Appendix B.

The following is a summary of samples exceeding Site action levels:

- Metals – Thirty-two of 33 soil samples exceeded the arsenic action level of 0.61 mg/kg.
- TPH – Three of 33 samples exceeded the TPH-d action level of 110 mg/kg. Three of 33 samples exceeded the TPH-mo action level of 500 mg/kg.

4.2.1 Metals Results

Arsenic, barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc were all detected above the method detection limits in all 33 investigative samples submitted for analyses.

Arsenic was detected above the RSL of 0.67 mg/kg and the CHSSL of 0.70 mg/kg in 32 of the 33 samples collected. Concentrations of arsenic ranged from 1.37 mg/kg to 7.73 mg/kg. Arsenic was not detected above the method detection limit in the sample collected at DR-SS-10B. According to the study, *Background Concentrations of Trace and Major Elements in California Soils,* prepared by the University of California Kearney Foundation of Soil Science, Division of Agricultural and Natural Resources in 1996, arsenic concentrations found in nearby California soils range from 2.2 to 5.4 mg/kg and average 3.5 mg/kg. The arsenic concentrations found in the soil at the Site appear to be naturally occurring and unrelated to historic contamination. The analytical results for these AOCs are summarized in Table 4-1.

No other constituents exceeded the RSLs or CHSSLs for metals in any of the samples collected during this sampling event.

4.2.2 Petroleum Hydrocarbons and BTEX Results

Three surface and eight subsurface soil samples were collected and analyzed for TPH-g. Of the eleven samples submitted for analysis, constituents were detected above the method detection limit in one of the samples (DR-SB-09B). No samples exceeded the ESL of 500 mg/kg.

A total of 33 soil samples, comprised of 22 surface soil samples and 11 subsurface soil samples, were analyzed for TPH-d and TPH-mo. TPH-d exceeded the RSL of 110 mg/kg in samples collected from three locations (DR-SS-04, DR-SB-12B, and DR-SS-15) with concentrations ranging from 127 mg/kg to 485 mg/kg. TPH-mo exceeded the RSL of 500 mg/kg in samples collected from three locations (DR-SS-02, DR-SS-15, and DR-SS-21) with concentrations ranging from 324 mg/kg to 1,380 mg/kg.

Three surface and eight subsurface soil samples were collected and analyzed for BTEX. Of the 11 samples submitted for analysis, constituents were detected above the method detection limit in one of the samples (DR-SB-08B). Ethylbenzene was detected at 0.012 mg/kg and total xylene was detected at 0.0121 mg/kg, which did not exceed the RSLs of 5.4 mg/kg and 63 mg/kg, respectively.

No other constituents exceeded the RSLs for petroleum hydrocarbons and BTEX in any of the samples collected during this sampling event. The analytical results for petroleum hydrocarbons and BTEX are summarized in Table 4-2, and shown in Figure 4-2.

4.3 EQUIPMENT BLANK RESULTS

An equipment blank sample was collected from the decontaminated stainless steel soil sampler cutting shoe. The sample was analyzed for metals, TPH-g, TPH-d, TPH-mo, and BTEX. No targeted analytes were detected by the laboratory in the equipment blank sample.

5. EXCEPTIONS, DELETIONS, AND DATA GAPS

WESTON has performed this Phase II ESA in general conformance with the scope and limitations of ASTM E1527-13 for the Site located in El Centro, CA. Exceptions to, or deletions from, this practice include:

- The Phase I ESA was prepared by GSLC in September 2004. The shelf life of a Phase I ESA is one year with some updates required after 180 days. The updates include: i) interviews with owners, operators, and occupants; (ii) searches for recorded environmental cleanup liens; (iii) reviews of federal, tribal, state, and local government records; (iv) visual inspections of the property and of adjoining properties; and (v) the declaration by the environmental professional responsible for the assessment or update.

- EPA Region 9 RSLs for Residential Soil (May 2014) do not include total chromium in the list of analytes. Instead, analytical results for total chromium were compared to the SF RWQCB ESLs for Shallow Residential Soil (December 2013).

These exceptions are not thought to have a material impact on the findings and conclusions of this ESA.

6. FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

6.1 CONCLUSIONS

WESTON, under contract with USACE and in coordination with EPA, performed this TBA of the Dogwood Road Site in accordance with the scope and limitations of ASTM Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Section 5 of this report. Based on a review of readily available information and a site reconnaissance, WESTON has drawn the following conclusions regarding the subject area.

As shown in Figure 2-1, the Site resides within the boundaries of Imperial County, CA. Specifically, the vacant, dilapidated property located at 1402 – 1406 Dogwood Road in El Centro, is surrounded by chain-link fencing, with an access gate on the north and east sides of the Site. The Site is primarily a dirt lot, approximately 4.75 acres in size, zoned as a light manufacturing property. The geographic coordinates of the Site are 32° 46' 50.916" N, -115° 32' 9.4482" W.

Prior to 1949, the Site was used as a residential/agricultural property. According to aerial photographs from the IID archives, agricultural use was discontinued on the property by 1965, at which time structures were built on the west side of the Site. The property was used primarily as an office and shop for general construction and engineering business, which utilized heavy equipment. The current owner is cooperating with the City to utilize California's Revolving Loan Fund and/or State HCD Proposition C funds to investigate the Site for the potential development of a commercial property. The City is working to revitalize the surrounding area and plans to have the buildings at the Site demolished and removed in preparation for redevelopment.

Currently, two vacant structures are situated on the Site, including an office structure (1,800 ft^2) and a residential structure (1,200 ft^2). A concrete cistern is centrally located between the two structures. A concrete pad is positioned on the west portion of the Site near the Site boundary, with a sump structure. A pole-mounted transformer is present northwest of the concrete pad along the Site boundary. Figure 2-2 presents the details of the Site layout.

Results from a Phase I ESA conducted in September 2004 have noted the following environmental conditions at the Site: hydrocarbon staining along the margins of the concrete pad, hydrocarbon staining within the sump at the west side of the concrete pad, flaking exterior paint at the residential and office structures, paint debris accumulation along exterior walls, and a lead-acid battery discovered near the southwest corner of the residential structure.

The Site is flat and is situated at an elevation of approximately 39 ft below mean sea level. The general topographic gradient of the Site is west. Small tributaries and creeks are found within 5 miles of the Site, but no significant surface water sources are in the immediate area. Groundwater in the region occurs in Holocene and Pleistocene age sediments at relatively shallow depths. The Site is positioned in FEMA Flood Zone X, indicating an area outside of the 0.2% annual chance floodplain. The Holocene Lake deposits are considered to be less than 100 ft thick and are characterized by surficial clay and silt deposits with varying amounts of fine sand; the predominant surface soil is silty clay.

The climate of El Centro and Imperial County is characterized as Dry (arid and semiarid) Climate, although it is often further classified as Desert Climate due to its low rainfall; the average temperatures range from 54.5ºF (January) to 91.6ºF (July). Average precipitation in El Centro is a sparse 65 mm per year, with the majority of rainfall occurring between August and March.

A regulatory agency database review revealed no past and/or current sites of hazardous materials generation, storage, or contamination at the Site. No adjacent sites within a distance of 1.0 miles from the Site were identified during the regulatory agency database review.

Sampling results were evaluated against action levels to determine the risk to human health and the environment. The data collected during this Site investigation were used to evaluate environmental concerns at the Site and identify the potential impact on future development for recreational purposes. The data were specifically used to determine if soil has been impacted by historic uses and to support redevelopment decisions.

Historical aerial photos and satellite imagery did not show additional areas that were obvious sampling locations. Sampling locations were chosen to evaluate potential sources of contamination, as stated previously, and final determinations were based upon conditions observed during sampling operations.

A total of 33 soil samples, not including equipment blank and duplicate samples, were collected from 22 sampling locations. Subsurface soil samples were collected from six of the 22 sampling locations. Sampling locations, analytical parameters, and rationales are described and summarized in Table 3-1. Sampling locations are shown in Figure 3-1.

6.2 OPINIONS

The City is working to revitalize the surrounding area and plans to have the buildings at the Site demolished and removed in preparation for construction of updated commercial facilities. It is the opinion of the Environmental Professional that this assessment has revealed evidence of known environmental risks at the Site.

6.2.1 Recognized Environmental Conditions

No evidence of historical RECs or controlled environmental conditions were found. However, the following items are considered to be RECs at the Site:

- Elevated arsenic concentrations in soil are considered to be RECs. Thirty-two soil samples exceeded the arsenic action level for arsenic.
- Elevated TPH-d concentrations in soil are considered to be RECs. Three soil samples were above action levels for TPH-d.
- Elevated TPH-mo concentrations in soil are considered to be RECs. Three soil samples were above action levels for TPH-mo.

6.2.2 Vapor Encroachment Conditions

The term vapor encroachment condition (VEC) is defined as the presence or likely presence of chemicals of concern vapors (ASTM Guide E2600-10 Table X6.1) in the subsurface of the target property caused by the release of vapors from contaminated soil or groundwater, or both, either on or near the target property. Based on the findings of this assessment and pursuant to ASTM Guide E2600-10 using the Tier 1 vapor encroachment screen designed to evaluate vapor migration in conjunction with ASTM E1527-13, the following VECs were assessed:

- VECs cannot be ruled out for TPH-d contamination found in surface and subsurface soil samples at the Site.
- VECs cannot be ruled out for TPH-mo contamination found in surface soil samples at the Site.

6.2.3 Business Environmental Risk

Business environmental risk is defined as a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations. The following items are considered to be business environmental risk non-scope conditions:

- LBP on the exterior of the office building and residential building at the Site is a non-scope condition. The LBP survey of painted surfaces at the Site documented LBP on the interior and exterior of the residential building in three locations, and the exterior of the office building in one location.
- ACM found at the office and residential buildings and ACCM found at the office building are non-scope conditions. The hazardous materials survey conducted at the Site documented ACM in the vinyl flooring of the office building and ACM in the roofing materials of the residential building. ACCM was documented in the vinyl flooring of the office building.

6.2.4 *De Minimis* Environmental Conditions

The ASTM term *de minimis* is defined as and characterizes conditions that generally do not present a threat to human health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies. The following items are considered *de minimis* conditions:

- According to the 1996 study, *Background Concentrations of Trace and Major Elements in California Soils*, prepared by the University of California Kearney Foundation of Soil Science, Division of Agricultural and Natural Resources, arsenic concentrations found in California soils near the Site range from 2.2 to 5.4 mg/kg (4.3 mg/kg average). Based upon comparison with these background concentrations, the arsenic concentrations found

in the soils throughout the Site appear to be naturally occurring and unrelated to historic contamination.

- Presumed unmarked roadway areas, located north and south of the concrete pad and sump at the Site, are *de minimis* conditions. Soil samples collected in this area were found to contain TPH-d and TPH-mo at concentrations exceeding their respective action levels; however, TPH contamination at these sampling locations represents small diesel and motor oil leaks, confined to surficial soils, and not of significant concern.

6.3 CONCEPTUAL SITE MODEL

This Phase II ESA was designed to provide understanding of the contaminants at the Site and to aid in understanding potential exposure hazards that may be present at the Site. The following section is a description of the conceptual site model (CSM), which incorporates information from the Phase I ESA and has been updated with the results from this investigation.

The Site contaminants discussed in this CSM are those compounds that are associated with RECs at the Site and were detected above Site action levels. Based on the laboratory analytical results of soil samples, the contaminants at the Site include the following:

- Arsenic is a naturally occurring element in soils or can be deposited from anthropogenic sources such as pesticides, herbicides, fungicides, and wood preservatives. Exposure to arsenic can have health effects on the gastrointestinal, cardiovascular, central and peripheral nervous systems. Additionally, inorganic arsenic is a known human carcinogen, responsible for skin, lung, bladder, and liver cancer. Typically, arsenic in soil with neutral to acid range characteristics has low mobility.

- TPH is a term used to describe a broad family of several hundred chemical compounds that originally come from crude oil as a mixture of chemical emissions. Exposure to some of the chemicals in TPH can affect the human central nervous system. Soil contaminated with TPH was typically found in surface soils at depths of less than 2-ft bgs, and concentrations generally decreased with depth.

To aid in a thorough understanding of the environmental concerns present at the Site, a graphical presentation of the identified contaminants of concern and the migration pathways to potential receptors is included as Figure 6-1. Exposure pathways and potential receptors depicted on the CSM are defined as follows.

Exposure pathways describe how a human or environmental receptor comes into contact with contaminants that may be present at the Site. Exposure pathways presented in the CSM include the following:

Inhalation: This pathway is primarily associated with VOC contamination in shallow groundwater and soil within 30 ft of an occupied structure. This pathway is applicable when receptors may inhale impacted media in the form of vapor.

Dermal Absorption: Exposure via dermal absorption occurs when receptors are exposed to chemical concentrations present in soil, groundwater, or surface water through direct contact with the skin.

Active Ingestion: The active ingestion pathway represents exposure that may occur through the active ingestion of contaminant concentrations via a drinking water supply well or through agricultural products.

Incidental Uptake: This pathway is applicable when receptors may incidentally ingest impacted media in the form of dust or airborne particulates.

Potential receptors are categorized by duration of exposure and intensity of use at the Site. The receptor categories described in the CSM include the following:

Construction/ Maintenance Worker: Construction/maintenance workers are present at the Site for short durations, although intensity of use is high, such as during construction or utility work.

Worker: Workers are those who are present at the Site for long durations, but with low-intensity exposure.

Patron: The patron is a group that is characterized by low duration (i.e. less than two hours per day) and low-intensity usage.

Based on the physical and chemical properties of metals and TPH in soils, these contaminants have a low potential to leach into deeper soil or into groundwater, except at very high concentrations or pH extremes. Because only relatively low levels of these compounds were observed at the Site, no migration pathway of the contaminants is believed to be present. Therefore, the potential exposure scenario for construction workers to these compounds at the Site would be by dermal contact and incidental uptake of impacted surface and shallow subsurface soil. Future patrons at the Site are less likely to come into contact with contaminated surface soil after commercial facilities have been constructed and undeveloped areas have been landscaped.

6.4 RECOMMENDATIONS

Proposed demolition and disposal of existing structures at the Site will require asbestos and LBP abatement of the contaminated building materials identified within the Hazardous Materials Survey Report included as Appendix C.

Based upon the results from WESTON's investigation, soil at the Site has been minimally impacted by historical activities. Arsenic was found throughout the Site at concentrations exceeding the RSL, though comparison with background concentrations of arsenic in regional California soils indicates that observed concentrations are naturally occurring and unrelated to historic contamination. Elevated TPH-d concentrations were found in three sampling locations and elevated TPH-mo concentrations were found in three sampling locations. However, the TPH contamination is considered a *de minimis* condition, as diesel and motor oil can be attributed to minor spills and leaks in discrete locations, and appear to be confined to surficial soils.

Should the City choose to redevelop the Site, they may seek funding for cleanup costs through additional grants.

6.5 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional, as defined in 40 CFR Part 312.10.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

_____

Ian Bruce
Environmental Professional
Weston Solutions, Inc.

7. DISCLAIMERS

This initial Site assessment is based on the conditions existing on the date of the WESTON Site investigation. Past conditions were considered on the basis of readily available records, interviews, and recollections. It is possible that past or existing contamination remains undiscovered.

The conclusions presented herein are based on information provided to WESTON or reasonably available to WESTON.

WESTON does not warrant or guarantee the subject property suitable for any particular purpose or certify the subject property as "clean."

Future regulatory modifications, agency interpretations, and/or policy changes may affect the compliance status of the subject alignment.

Detailed indoor air quality, vapor intrusion, occupational health and safety, radon, and wetland surveys were not requested, nor included, as part of this project.

WESTON does not warrant or guarantee the correctness, completeness, and/or how current the information contained in the environmental record sources used for this assessment. Such information is the product of independent investigation by parties other than WESTON and/or information maintained by government agencies.

8. QUALIFICATIONS

WESTON used qualified professional staff, trained in performing the scope of work required for this Phase II TBA. This team included a project manager, a field manager, and an assistant field manager. Their roles and experience are described in greater detail as follows:

- Joe DeFao, Program Manager – Mr. DeFao is responsible for the overall management of the contract, including cost, schedule, and technical quality. Mr. DeFao has over 15 years of experience in the environmental field.
- Ian Bruce, Project Manager, Environmental Professional – Mr. Bruce is responsible for all tasks assigned to WESTON by EPA; working with the EPA QAO to ensure project QA goals are met; preparing the SAP; implementing the sampling design; collecting, handling, documenting, and transporting samples; and generating field documentation of sampling activities. Mr. Bruce has over 10 years of experience in the environmental field.
- Jon Colomb, Site Assessor – Mr. Colomb is responsible for ensuring the field inspection and sampling activities meet all applicable standards as defined in the scope of work. Mr. Colomb has over 10 years of experience in the environmental field.

9. SELECTED REFERENCES

American Society for Testing and Materials, *E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. West Conshohocken, PA. 2005.

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TABLES

Table 3-1. Sample Design and Rationale			
Sample ID	**Depth (ft)**	**Analytical Parameter**	**Rationale**
DR-SS-01	0 – 2	Metals, TPH-d, TPH-mo	General on-site hydrocarbons and debris
DR-SS-02	0 – 2	Metals, TPH-d, TPH-mo	General on-site hydrocarbons and debris
DR-SS-03	0 – 2	Metals, TPH-g, TPH-d, TPH-mo, BTEX	General on-site hydrocarbons and Debris
DR-SS-04	0 – 2	Metals, TPH-d, TPH-mo	Surface stains/historical petroleum hydrocarbons, general on-site debris
DR-SS-05	0 – 2	Metals, TPH-d, TPH-mo	LBP, surface stains/historical petroleum hydrocarbons, drip line, general on-site debris
DR-SS-06	0 – 2	Metals, TPH-d, TPH-mo	General on-site hydrocarbons and debris
DR-SB-07	0 – 12	Metals, TPH-d, TPH-mo	Surface stains/historical petroleum hydrocarbons, general on-site debris
DR-SB-08	0 – 12	Metals, TPH-g, TPH-d, TPH-mo, BTEX	LBP, surface stains/historical petroleum hydrocarbons, drip line, general on-site debris
DR-SB-09	0 – 12	Metals, TPH-g, TPH-d, TPH-mo, BTEX	Surface stains/historical petroleum hydrocarbons, general on-site debris
DR-SB-10	0 – 12	Metals, TPH-d, TPH-mo	Surface stains/historical petroleum hydrocarbons, general on-site debris
DR-SS-11	0 – 2	Metals, TPH-d, TPH-mo	Surface stains/historical petroleum hydrocarbons, general on-site debris
DR-SB-12	0 – 12	Metals, TPH-d, TPH-mo	LBP, surface stains/historical petroleum hydrocarbons, drip line, general on-site debris
DR-SS-13	0 – 2	Metals, TPH-d, TPH-mo	LBP, surface stains/historical petroleum hydrocarbons, drip line, general on-site debris
DR-SB-14	0 – 12	Metals, TPH-g, TPH-d, TPH-mo, BTEX	LBP, surface stains/historical petroleum hydrocarbons, drip line, general on-site debris
DR-SS-15	0 – 2	Metals, TPH-g, TPH-d, TPH-mo, BTEX	General on-site hydrocarbons and debris
DR-SS-16	0 – 2	Metals, TPH-d, TPH-mo	General on-site hydrocarbons and debris
DR-SS-17	0 – 2	Metals, TPH-d, TPH-mo	General on-site hydrocarbons and debris
DR-SS-18	0 – 2	Metals, TPH-d, TPH-mo	General on-site hydrocarbons and debris
DR-SS-19	0 – 2	Metals, TPH-g, TPH-d, TPH-mo, BTEX	General on-site hydrocarbons and debris
DR-SS-20	0 – 2	Metals, TPH-d, TPH-mo	General on-site hydrocarbons and debris
DR-SS-21	0 – 2	Metals, TPH-d, TPH-mo	General on-site hydrocarbons and debris
DR-SS-22	0 – 2	Metals, TPH-d, TPH-mo	General on-site hydrocarbons and debris
DR-SB-23	0 – 2	Metals, TPH-d, TPH-mo	Field duplicate (DR-SS-08A)
DR-SB-24	6 – 8	Metals, TPH-g, TPH-d, TPH-mo, BTEX	Field duplicate (DR-SS-09B)
DR-SB-25	6 – 8	Metals, TPH-d, TPH-mo	Field duplicate (DR-SS-14B)
DR-SB-26	0 – 2	Metals, TPH-g, TPH-d, TPH-mo, BTEX	Field duplicate (DR-SS-19)
DR-27	NA	Metals, TPH-d, TPH-mo	Equipment Blank

Table 4-1
Summary of Metals Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHSSL	DR-SS-01 (0 - 2 ft bgs)	DR-SS-02 (0 - 2 ft bgs)	DR-SS-03 (0 - 2 ft bgs)	DR-SS-04 (0 - 2 ft bgs)	DR-SS-05 (0 - 2 ft bgs)
Antimony	31	30	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	0.61	0.07	**6.46**	**4.70J**	**4.16J**	**3.89J**	**4.66J**
Barium	15,000	5,200	247	150	153	168	179
Beryllium	160	16,000	<1.3	<1.3	<1.3	<1.3	<1.3
Cadmium	70	1.7	<1.3	<1.3	<1.3	<1.3	<1.3
Chromium	--	1,000	15.2	13.1	12.0	16.0	13.2
Cobalt	23	660	8.06	5.38	6.37	6.92	6.64
Copper	3,100	3,300	19.6	13.0	13.2	21.4	14.8
Lead	400	80	19.7	16.1	13.3	42.4	15.7
Mercury	10	18	<1.0	<1.0	<1.0	<1.0	<1.0
Molybdenum	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Nickel	1,500	1,600	22.5	20.0	18.5	20.4	17.1
Selenium	390	380	<1.0	<1.0	<1.0	<1.0	<1.0
Silver	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Thallium	0.78	5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	390	390	24.9	18.5	19.4	19.4	20.2
Zinc	23,000	2,300	69.8	49.6	47.9	88.4	54.9

Metals by EPA Method 6010B; Mercury by EPA Method 7471A

mg/kg = milligrams per kilogram

<# = Analyte concentration is below stated reporting limit

ft bgs = feet below ground surface

J = Analyte positively identified above the laboratory detection limit but below the laboratory reporting limit

RSL = EPA Region 9 Regional Screening Levels for Residential Soil (May 2014), Traditional Table (THQ = 1.0)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

ESL = San Francisco RWQCB Environmental Screening Levels (ESLs) for Shallow Residential Soils (December 2013)

Bold and Underlined = Analytical result meets or exceeds screening levels

Table 4-1
Summary of Metals Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHSSL	DR-SS-06 (0 - 2 ft bgs)	DR-SB-07A (0 - 2 ft bgs)	DR-SB-07B (6 - 8 ft bgs)	DR-SB-07C (10 - 12 ft bgs)
Antimony	31	30	<1.0	<1.0	<1.0	<1.0
Arsenic	0.61	0.07	**4.99J**	**4.14J**	**2.97J**	**2.35J**
Barium	15,000	5,200	171	158	118	92.5
Beryllium	160	16,000	<1.3	<1.3	<1.3	<1.3
Cadmium	70	1.7	<1.3	<1.3	<1.3	<1.3
Chromium	--	1,000	13.4	12.2	10.8	4.42J
Cobalt	23	660	6.37	6.40	3.48J	<1.0
Copper	3,100	3,300	17.0	12.7	6.11	<1.0
Lead	400	80	14.5	8.63	4.11J	3.12J
Mercury	10	18	<1.0	<1.0	<1.0	<1.0
Molybdenum	390	380	<2.5	<2.5	<2.5	<2.5
Nickel	1,500	1,600	16.3	15.0	12.8	4.94J
Selenium	390	380	<1.0	<1.0	<1.0	<1.0
Silver	390	380	<2.5	<2.5	<2.5	<2.5
Thallium	0.78	5.0	<1.0	<1.0	<1.0	<1.0
Vanadium	390	390	20.6	22.7	12.7	6.82
Zinc	23,000	2,300	67.9	41.0	20.7	14.5

Metals by EPA Method 6010B; Mercury by EPA Method 7471A

mg/kg = milligrams per kilogram

<# = Analyte concentration is below stated reporting limit

ft bgs = feet below ground surface

J = Analyte positively identified above the laboratory detection limit but below the laboratory reporting limit

RSL = EPA Region 9 Regional Screening Levels for Residential Soil (May 2014), Traditional Table (THQ = 1.0)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

ESL = San Francisco RWQCB Environmental Screening Levels (ESLs) for Shallow Residential Soils (December 2013)

Bold and Underlined = Analytical result meets or exceeds screening levels

Table 4-1
Summary of Metals Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHSSL	DR-SB-08A (0 - 2 ft bgs)	DR-SB-23 Duplicate of DR-SB-08A	DR-SB-08B (6 - 8 ft bgs)	DR-SB-08C (10 - 12 ft bgs)	DR-SB-09A (0 - 2 ft bgs)
Antimony	31	30	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	0.61	0.07	**5.33**	**4.25J**	**3.41J**	**3.24J**	**5.26**
Barium	15,000	5,200	189	182	102	141	207
Beryllium	160	16,000	<1.3	<1.3	<1.3	<1.3	<1.3
Cadmium	70	1.7	<1.3	<1.3	<1.3	<1.3	<1.3
Chromium	--	1,000	14.3	12.8	8.21	9.49	16.5
Cobalt	23	660	7.08	6.20	4.37J	4.47J	8.92
Copper	3,100	3,300	16.0	12.5	8.96	8.35	19.9
Lead	400	80	12.1	18.4	6.78	6.65	12.3
Mercury	10	18	<1.0	<1.0	<1.0	<1.0	<1.0
Molybdenum	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Nickel	1,500	1,600	16.8	14.7	9.62	11.1	20.2
Selenium	390	380	<1.0	<1.0	<1.0	<1.0	<1.0
Silver	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Thallium	0.78	5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	390	390	22.8	19.9	14.9	16.4	27.6
Zinc	23,000	2,300	56.1	55.8	33.1	34.8	57.1

Metals by EPA Method 6010B; Mercury by EPA Method 7471A

mg/kg = milligrams per kilogram

<# = Analyte concentration is below stated reporting limit

ft bgs = feet below ground surface

J = Analyte positively identified above the laboratory detection limit but below the laboratory reporting limit

RSL = EPA Region 9 Regional Screening Levels for Residential Soil (May 2014), Traditional Table (THQ = 1.0)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

ESL = San Francisco RWQCB Environmental Screening Levels (ESLs) for Shallow Residential Soils (December 2013)

Bold and Underlined = Analytical result meets or exceeds screening levels

Table 4-1
Summary of Metals Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHSSL	DR-SB-09B (6 - 8 ft bgs)	DR-SB-24 Duplicate of DR-SB-09B	DR-SB-09C (10 - 12 ft bgs)	DR-SB-10A (0 - 2 ft bgs)	DR-SB-10B (6 - 8 ft bgs)
Antimony	31	30	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	0.61	0.07	**3.42J**	**1.61J**	**5.16**	**1.15J**	<1.0
Barium	15,000	5,200	124	97.1	185	156	168
Beryllium	160	16,000	<1.3	<1.3	<1.3	<1.3	<1.3
Cadmium	70	1.7	<1.3	<1.3	<1.3	<1.3	<1.3
Chromium	--	1,000	9.48	7.53	10.3	7.62	8.16
Cobalt	23	660	4.68J	3.62J	5.34	3.79J	4.17J
Copper	3,100	3,300	9.16	6.67	9.90	7.12	7.66
Lead	400	80	7.47	8.75	8.06	4.82J	5.13
Mercury	10	18	<1.0	<1.0	<1.0	<1.0	<1.0
Molybdenum	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Nickel	1,500	1,600	10.5	8.28	11.8	8.37	9.02
Selenium	390	380	<1.0	<1.0	<1.0	<1.0	<1.0
Silver	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Thallium	0.78	5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	390	390	15.2	12.4	18.1	11.6	12.5
Zinc	23,000	2,300	35.6	31.2	41.9	33.3	36.0

Metals by EPA Method 6010B; Mercury by EPA Method 7471A

mg/kg = milligrams per kilogram

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ft bgs = feet below ground surface

J = Analyte positively identified above the laboratory detection limit but below the laboratory reporting limit

RSL = EPA Region 9 Regional Screening Levels for Residential Soil (May 2014), Traditional Table (THQ = 1.0)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

ESL = San Francisco RWQCB Environmental Screening Levels (ESLs) for Shallow Residential Soils (December 2013)

Bold and Underlined = Analytical result meets or exceeds screening levels

Table 4-1
Summary of Metals Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHSSL	DR-SB-10C (10 - 12 ft bgs)	DR-SS-11 (0 - 2 ft bgs)	DR-SB-12A (0 - 2 ft bgs)	DR-SB-12B (6 - 8 ft bgs)	DR-SB-12C (10 - 12 ft bgs)
Antimony	31	30	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	0.61	0.07	**4.00J**	**4.60J**	**4.57J**	**6.56**	**2.20J**
Barium	15,000	5,200	284	156	196	95.4	80.4
Beryllium	160	16,000	<1.3	<1.3	<1.3	<1.3	<1.3
Cadmium	70	1.7	<1.3	<1.3	<1.3	<1.3	<1.3
Chromium	--	1,000	11.0	12.3	14.0	13.5	5.07
Cobalt	23	660	5.41	6.00	7.41	6.13	3.40J
Copper	3,100	3,300	10.3	14.7	16.3	14.8	3.99J
Lead	400	80	9.47	10.8	14.6	15.5	4.89J
Mercury	10	18	<1.0	<1.0	<1.0	<1.0	<1.0
Molybdenum	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Nickel	1,500	1,600	13.3	14.3	17.6	15.3	6.35
Selenium	390	380	<1.0	<1.0	<1.0	<1.0	<1.0
Silver	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Thallium	0.78	5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	390	390	17.8	18.7	21.8	21.2	8.15
Zinc	23,000	2,300	43.5	54.5	55.0	60.3	20.5

Metals by EPA Method 6010B; Mercury by EPA Method 7471A

mg/kg = milligrams per kilogram

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RSL = EPA Region 9 Regional Screening Levels for Residential Soil (May 2014), Traditional Table (THQ = 1.0)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

ESL = San Francisco RWQCB Environmental Screening Levels (ESLs) for Shallow Residential Soils (December 2013)

Bold and Underlined = Analytical result meets or exceeds screening levels

Table 4-1
Summary of Metals Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHSSL	DR-SS-13 (0 - 2 ft bgs)	DR-SB-14A (0 - 2 ft bgs)	DR-SB-14B (6 - 8 ft bgs)	DR-SB-25 Duplicate of DR-SB-14B
Antimony	31	30	<1.0	<1.0	<1.0	<1.0
Arsenic	0.61	0.07	**1.37J**	**5.54**	**5.42**	**5.47**
Barium	15,000	5,200	179	205	213	197
Beryllium	160	16,000	<1.3	<1.3	<1.3	<1.3
Cadmium	70	1.7	<1.3	<1.3	<1.3	<1.3
Chromium	--	1,000	22.1	15.2	15.1	14.6
Cobalt	23	660	7.65	7.72	6.87	6.84
Copper	3,100	3,300	12.7	17.2	15.9	15.5
Lead	400	80	9.64	18.9	19.8	19.2
Mercury	10	18	<1.0	<1.0	<1.0	<1.0
Molybdenum	390	380	<2.5	<2.5	<2.5	<2.5
Nickel	1,500	1,600	41.1	17.8	17.1	16.0
Selenium	390	380	<1.0	<1.0	<1.0	<1.0
Silver	390	380	<2.5	<2.5	<2.5	<2.5
Thallium	0.78	5.0	<1.0	<1.0	<1.0	<1.0
Vanadium	390	390	26.2	23.3	23.9	23.9
Zinc	23,000	2,300	43.2	62.5	65.1	63.8

Metals by EPA Method 6010B; Mercury by EPA Method 7471A

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ESL = San Francisco RWQCB Environmental Screening Levels (ESLs) for Shallow Residential Soils (December 2013)

Bold and Underlined = Analytical result meets or exceeds screening levels

Table 4-1
Summary of Metals Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHSSL	DR-SS-15 (0 - 2 ft bgs)	DR-SS-16 (0 - 2 ft bgs)	DR-SS-17 (0 - 2 ft bgs)	DR-SS-18 (0 - 2 ft bgs)
Antimony	31	30	<1.0	<1.0	<1.0	<1.0
Arsenic	0.61	0.07	**4.28J**	**7.33**	**4.85J**	**5.04**
Barium	15,000	5,200	160	169	182	160
Beryllium	160	16,000	<1.3	<1.3	<1.3	<1.3
Cadmium	70	1.7	<1.3	<1.3	<1.3	<1.3
Chromium	--	1,000	12.6	13.2	16.2	12.8
Cobalt	23	660	5.71	6.21	6.31	5.78
Copper	3,100	3,300	14.0	14.0	13.9	13.4
Lead	400	80	21.7	17.8	40.5	19.5
Mercury	10	18	<1.0	<1.0	<1.0	<1.0
Molybdenum	390	380	<2.5	<2.5	<2.5	<2.5
Nickel	1,500	1,600	15.4	15.0	14.9	14.0
Selenium	390	380	<1.0	<1.0	<1.0	<1.0
Silver	390	380	<2.5	<2.5	<2.5	<2.5
Thallium	0.78	5.0	<1.0	<1.0	<1.0	<1.0
Vanadium	390	390	19.0	21.9	21.2	20.4
Zinc	23,000	2,300	62.3	59.6	56.0	63.9

Metals by EPA Method 6010B; Mercury by EPA Method 7471A

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J = Analyte positively identified above the laboratory detection limit but below the laboratory reporting limit

RSL = EPA Region 9 Regional Screening Levels for Residential Soil (May 2014), Traditional Table (THQ = 1.0)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

ESL = San Francisco RWQCB Environmental Screening Levels (ESLs) for Shallow Residential Soils (December 2013)

Bold and Underlined = Analytical result meets or exceeds screening levels

Table 4-1
Summary of Metals Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHSSL	DR-SS-19 (0 - 2 ft bgs)	DR-SS-26 Duplicate of DR-SS-19	DR-SS-20 (0 - 2 ft bgs)	DR-SS-21 (0 - 2 ft bgs)	DR-SS-22 (0 - 2 ft bgs)
Antimony	31	30	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	0.61	0.07	**5.26**	**4.59J**	**5.62**	**4.97J**	**4.91J**
Barium	15,000	5,200	194	151	181	160	121
Beryllium	160	16,000	<1.3	<1.3	<1.3	<1.3	<1.3
Cadmium	70	1.7	<1.3	<1.3	<1.3	<1.3	<1.3
Chromium	--	1,000	16.3	11.8	12.8	12.5	11.4
Cobalt	23	660	6.13	5.51	6.02	5.64	5.47
Copper	3,100	3,300	17.5	12.4	14.1	17.3	12.1
Lead	400	80	40.8	23.0	19.4	26.0	15.6
Mercury	10	18	<1.0	<1.0	<1.0	<1.0	<1.0
Molybdenum	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Nickel	1,500	1,600	16.4	12.7	14.6	13.8	12.7
Selenium	390	380	<1.0	<1.0	<1.0	<1.0	<1.0
Silver	390	380	<2.5	<2.5	<2.5	<2.5	<2.5
Thallium	0.78	5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	390	390	19.9	19.5	20.9	20.0	18.6
Zinc	23,000	2,300	75.1	61.2	60.8	71.8	51.4

Metals by EPA Method 6010B; Mercury by EPA Method 7471A

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ft bgs = feet below ground surface

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RSL = EPA Region 9 Regional Screening Levels for Residential Soil (May 2014), Traditional Table (THQ = 1.0)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

ESL = San Francisco RWQCB Environmental Screening Levels (ESLs) for Shallow Residential Soils (December 2013)

Bold and Underlined = Analytical result meets or exceeds screening levels

Table 4-2
Summary of Hydrocarbons and BTEX Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHHSL	DR-SS-01 (0 - 2 ft bgs)	DR-SS-02 (0 - 2 ft bgs)	DR-SS-03 (0 - 2 ft bgs)	DR-SS-04 (0 - 2 ft bgs)	DR-SS-05 (0 - 2 ft bgs)	DR-SS-06 (0 - 2 ft bgs)
Extractable Fuel Hydrocarbons								
Gasoline (C4-C12)	--	500	NA	NA	<0.50	NA	NA	NA
Diesel Range Organics (C13-C22)	--	110	<1.0	50.5	<1.0	**222**	<1.0	<1.0
Motor Oil Range Organics (C23-C40)	--	500	<1.0	**1,190**	8.65	324	8.33	<1.0
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)								
Benzene	1.1	0.085	NA	NA	<0.0025	NA	NA	NA
Ethylbenzene	5.4	1.1	NA	NA	<0.0025	NA	NA	NA
Toluene	500	320	NA	NA	<0.0025	NA	NA	NA
Xylenes (Total)	63	59	NA	NA	<0.005	NA	NA	NA

Analyte	RSL	ESL / CHHSL	DR-SB-07A (0 - 2 ft bgs)	DR-SB-07B (6 - 8 ft bgs)	DR-SB-07C (10 - 12 ft bgs)	DR-SB-08A (0 - 2 ft bgs)	DR-SB-23 Duplicate of DR-SB-08A
Extractable Fuel Hydrocarbons							
Gasoline (C4-C12)	--	500	NA	NA	NA	<0.50	NA
Diesel Range Organics (C13-C22)	--	110	<1.0	27.0	<1.0	<1.0	<1.0
Motor Oil Range Organics (C23-C40)	--	500	<1.0	<1.0	<1.0	<1.0	10.6
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)							
Benzene	1.1	0.085	NA	NA	NA	<0.0025	NA
Ethylbenzene	5.4	1.1	NA	NA	NA	<0.0025	NA
Toluene	500	320	NA	NA	NA	<0.0025	NA
Xylenes (Total)	63	59	NA	NA	NA	<0.005	NA

Extractable Fuel Hydrocarbons by EPA Method 8015/8015B; BTEX by EPA Method 5030/8021B

Bold and Underlined = Analytical result meets or exceeds screening levels

ft bgs = feet below ground surface; <# = analyte concentration is below stated reporting limit; mg/kg = milligrams per kilogram; NA = not analyzed

RSL = EPA Region 9 Regional Screening Levels for residential soil (May 2014), Traditional Table (THQ = 1.0)

ESL = San Francisco Regional Water Quality Control Board Environmental Screening Levels (ESLs) for Shallow Commercial Soils (December 2013)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

Table 4-2
Summary of Hydrocarbons and BTEX Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHHSL	DR-SB-08B (6 - 8 ft bgs)	DR-SB-08C (10 - 12 ft bgs)	DR-SB-09A (0 - 2 ft bgs)	DR-SB-09B (6 - 8 ft bgs)	DR-SB-24 Duplicate of DR-SB-09B
Extractable Fuel Hydrocarbons							
Gasoline (C4-C12)	--	500	<0.50	<0.50	<0.50	1.840J	<0.50
Diesel Range Organics (C13-C22)	--	110	<1.0	<1.0	<1.0	<1.0	<1.0
Motor Oil Range Organics (C23-C40)	--	500	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)							
Benzene	1.1	0.085	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Ethylbenzene	5.4	1.1	0.012	<0.0025	<0.0025	<0.0025	<0.0025
Toluene	500	320	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Xylenes (Total)	63	59	0.0121	<0.005	<0.005	<0.005	<0.005

Analyte	RSL	ESL / CHHSL	DR-SB-09C (10 - 12 ft bgs)	DR-SB-10A (0 - 2 ft bgs)	DR-SB-10B (6 - 8 ft bgs)	DR-SB-10C (10 - 12 ft bgs)	DR-SS-11 (0 - 2 ft bgs)
Extractable Fuel Hydrocarbons							
Gasoline (C4-C12)	--	500	<0.50	NA	NA	NA	NA
Diesel Range Organics (C13-C22)	--	110	<1.0	<1.0	<1.0	<1.0	<1.0
Motor Oil Range Organics (C23-C40)	--	500	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)							
Benzene	1.1	0.085	<0.0025	NA	NA	NA	NA
Ethylbenzene	5.4	1.1	<0.0025	NA	NA	NA	NA
Toluene	500	320	<0.0025	NA	NA	NA	NA
Xylenes (Total)	63	59	<0.005	NA	NA	NA	NA

Extractable Fuel Hydrocarbons by EPA Method 8015/8015B; BTEX by EPA Method 5030/8021B

Bold and Underlined = Analytical result meets or exceeds screening levels

ft bgs = feet below ground surface; <# = analyte concentration is below stated reporting limit; mg/kg = milligrams per kilogram; NA = not analyzed

RSL = EPA Region 9 Regional Screening Levels for residential soil (May 2014), Traditional Table (THQ = 1.0)

ESL = San Francisco Regional Water Quality Control Board Environmental Screening Levels (ESLs) for Shallow Commercial Soils (December 2013)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

Table 4-2
Summary of Hydrocarbons and BTEX Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHHSL	DR-SB-12A (0 - 2 ft bgs)	DR-SB-12B (6 - 8 ft bgs)	DR-SB-12C (10 - 12 ft bgs)	DR-SS-13 (0 - 2 ft bgs)	DR-SB-14A (0 - 2 ft bgs)
Extractable Fuel Hydrocarbons							
Gasoline (C4-C12)	--	500	NA	NA	NA	NA	<0.50
Diesel Range Organics (C13-C22)	--	110	<1.0	**485**	<1.0	<1.0	<1.0
Motor Oil Range Organics (C23-C40)	--	500	<1.0	<1.0	<1.0	11.2	<1.0
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)							
Benzene	1.1	0.085	NA	NA	NA	NA	<0.0025
Ethylbenzene	5.4	1.1	NA	NA	NA	NA	<0.0025
Toluene	500	320	NA	NA	NA	NA	<0.0025
Xylenes (Total)	63	59	NA	NA	NA	NA	<0.005

Analyte	RSL	ESL / CHHSL	DR-SB-14B (6 - 8 ft bgs)	DR-SB-25 Duplicate of DR-SB-14B	DR-SS-15 (0 - 2 ft bgs)	DR-SS-16 (0 - 2 ft bgs)	DR-SS-17 (0 - 2 ft bgs)
Extractable Fuel Hydrocarbons							
Gasoline (C4-C12)	--	500	<0.50	NA	<0.50	NA	NA
Diesel Range Organics (C13-C22)	--	110	<1.0	92.9	**127**	<1.0	<1.0
Motor Oil Range Organics (C23-C40)	--	500	<1.0	<1.0	**1,380**	<1.0	<1.0
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)							
Benzene	1.1	0.085	<0.0025	NA	<0.0025	NA	NA
Ethylbenzene	5.4	1.1	<0.0025	NA	<0.0025	NA	NA
Toluene	500	320	<0.0025	NA	<0.0025	NA	NA
Xylenes (Total)	63	59	<0.005	NA	<0.005	NA	NA

Extractable Fuel Hydrocarbons by EPA Method 8015/8015B; BTEX by EPA Method 5030/8021B

Bold and Underlined = Analytical result meets or exceeds screening levels

ft bgs = feet below ground surface; <# = analyte concentration is below stated reporting limit; mg/kg = milligrams per kilogram; NA = not analyzed

RSL = EPA Region 9 Regional Screening Levels for residential soil (May 2014), Traditional Table (THQ = 1.0)

ESL = San Francisco Regional Water Quality Control Board Environmental Screening Levels (ESLs) for Shallow Commercial Soils (December 2013)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

Table 4-2
Summary of Hydrocarbons and BTEX Analytical Data
Dogwood Road Site
(reported in mg/kg)

Analyte	RSL	ESL / CHHSL	DR-SS-18 (0 - 2 ft bgs)	DR-SS-19 (0 - 2 ft bgs)	DR-SS-26 Duplicate of DR-SS-19	DR-SS-20 (0 - 2 ft bgs)	DR-SS-21 (0 - 2 ft bgs)	DR-SS-22 (0 - 2 ft bgs)
Extractable Fuel Hydrocarbons								
Gasoline (C4-C12)	--	500	NA	<0.50	<0.50	NA	NA	NA
Diesel Range Organics (C13-C22)	--	110	17.5	<1.0	<1.0	<1.0	22.6	<1.0
Motor Oil Range Organics (C23-C40)	--	500	89.3	<1.0	<1.0	<1.0	**702**	<1.0
Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)								
Benzene	1.1	0.085	NA	<0.0025	<0.0025	NA	NA	NA
Ethylbenzene	5.4	1.1	NA	<0.0025	<0.0025	NA	NA	NA
Toluene	500	320	NA	<0.0025	<0.0025	NA	NA	NA
Xylenes (Total)	63	59	NA	<0.005	<0.005	NA	NA	NA

Extractable Fuel Hydrocarbons by EPA Method 8015/8015B; BTEX by EPA Method 5030/8021B

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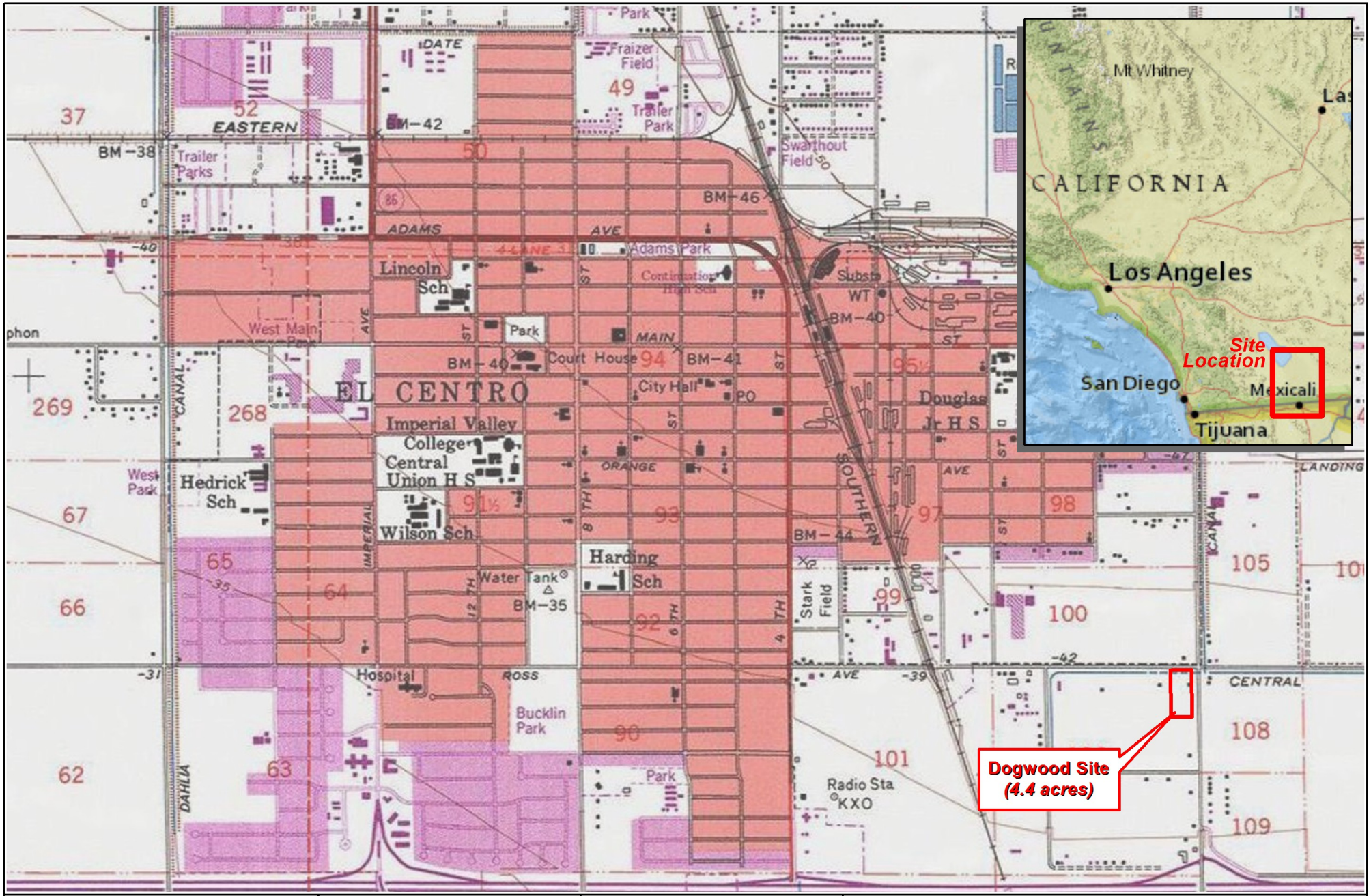
ft bgs = feet below ground surface; <# = analyte concentration is below stated reporting limit; mg/kg = milligrams per kilogram; NA = not analyzed

RSL = EPA Region 9 Regional Screening Levels for residential soil (May 2014), Traditional Table (THQ = 1.0)

ESL = San Francisco Regional Water Quality Control Board Environmental Screening Levels (ESLs) for Shallow Commercial Soils (December 2013)

CHHSL = California Human Health Screening Levels for Residential Soil (September 2010)

FIGURES



0 Feet 4,000

PREPARED BY:
EPA Region 9, START
Weston Solutions, Inc.
1340 Treat Blvd, Ste 210
Walnut Creek, CA 94597

PREPARED FOR:
EPA Region 9
Emergency
Response
Section

FIGURE 2-1
SITE LOCATION MAP
Dogwood Road Site TBA
El Centro, CA

USACE Delivery Order Number: W91238-11-D-0001

Project Number: 20074.063.501.1002

N

WESTON SOLUTIONS

0 Scale in Feet 150

PREPARED BY:
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Weston Solutions, Inc.
1340 Treat Blvd, Ste 210
Walnut Creek, CA 94597

PREPARED FOR:
EPA Region 9
Emergency
Response
Section

EPA EMERGENCY RESPONSE

FIGURE 2-2
SITE LAYOUT MAP
Dogwood Road Site TBA
El Centro, CA

USACE Delivery Order Number: W91238-11-D-0001

Project Number: 20074.063.501.1002

PREPARED BY:
EPA Region 9, START
Weston Solutions, Inc.
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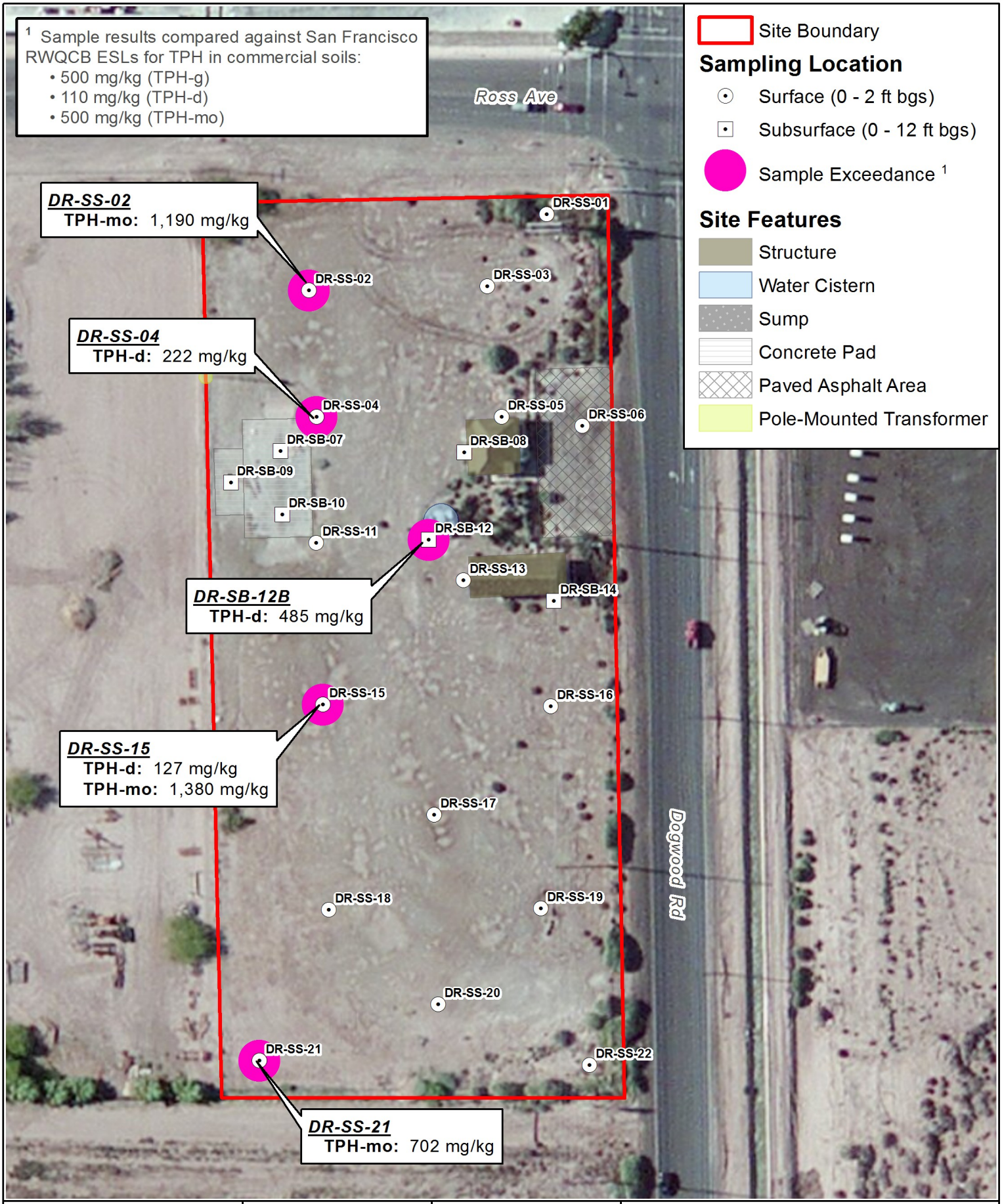
Walnut Creek, CA 94597

PREPARED FOR:
EPA Region 9
Emergency
Response
Section

FIGURE 3-1
SAMPLING LOCATION MAP
Dogwood Road Site TBA
El Centro, CA

USACE Delivery Order Number: W91238-11-D-0001

Project Number: 20074.063.501.1002



PREPARED BY:
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Walnut Creek, CA 94597

PREPARED FOR:
EPA Region 9
Emergency Response Section

FIGURE 4-2
HYDROCARBONS AND BTEX RESULTS ABOVE ACTION LEVELS
Dogwood Road Site TBA
El Centro, CA

USACE Delivery Order Number: W91238-11-D-0001

Project Number: 20074.063.501.1002

SOURCE	CONTAMINANTS	RELEASE MECHANISM	SECONDARY SOURCE	SECONDARY RELEASE MECHANISM	EXPOSURE PATHWAY
Surface Soil	TPH	Historical Spills and Leaks	Deep Soil		
Lead-Based Paint	Lead	Flaking / Historical Deposition	Surface Soil		
Asbestos-Containing Material	Asbestos	Flaking / Abatement	Dust		

	RECEPTOR		
EXPOSURE ROUTE	WORKER	CONSTRUCTION/ MAINTENANCE WORKER	PATRON
Inhalation	○	◒	○
Dermal Contact	◒	●	○
Ingestion	○	○	○
Incidental Uptake	◒	●	○

Inhalation	◒	●	○
Dermal Contact	◒	●	○
Ingestion	○	○	○
Incidental Uptake	◒	●	◒

Inhalation	○	○	○
Dermal Contact	◒	●	○
Ingestion	○	○	○
Incidental Uptake	◒	●	◒

● Potentially complete pathway
◒ Potentially complete pathway but judged to be minor
○ Incomplete Pathway

Conceptual Site Model
Dogwood Road Site
Targeted Brownfields Assessment
El Centro, CA

Figure
6-1

APPENDIX A – PHASE I ESA REPORT

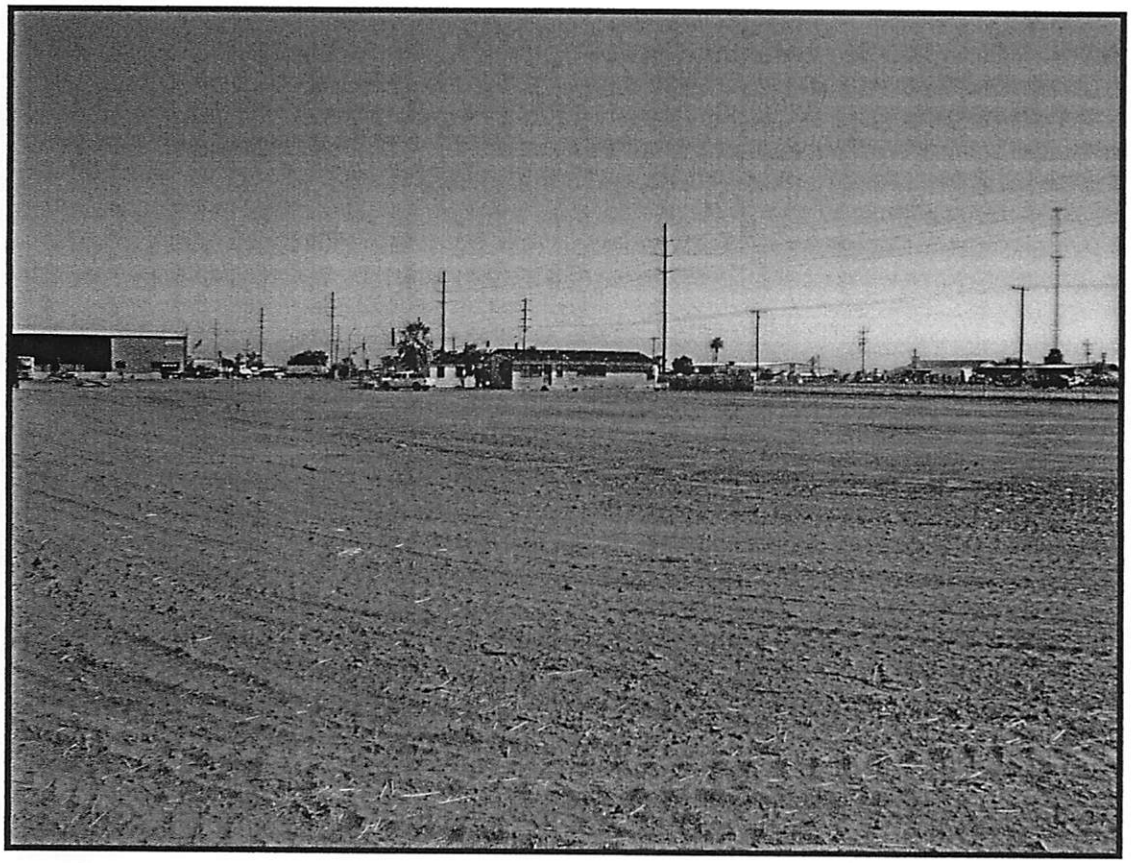
Phase I ESA Report

SWC Ross Road and Dogwood Road

El Centro, California

Prepared for:

Becker/Mealey, LLC
1805 Bass Cove
El Centro, CA 92243



Prepared by:

GS Lyon Consultants, Inc.
780 N. 4th Street
El Centro, CA 92243
(760) 337-1100

September 2004

GSL Lyon

Engineering And
Information Technology

September 13, 2004

Mr. Ed Mealey
Mealey/Becker
1805 Bass Cove
El Centro, CA 92243

Phase I Environmental Site Assessment Report
SWC Ross Road and Dogwood Road
El Centro, California
GSL Report No. GS0458

Dear Mr. Mealey:

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E1527-00 of the property located at the southwest corner of Dogwood Road and Ross Road in southeastern El Centro, California. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed the following recognized environmental conditions in connection with the property:

- There was an old shop building along the west side of the site. The building has been removed, but the concrete floor slab is still present. There is a sump at the west side of the concrete pad with several inches of hydrocarbon stained residue. ***The sump should be cleaned out and the material properly disposed.***
- Small hydrocarbon stains were observed on soil surfaces throughout the site and along the edge of the margins of the concrete pad. The oil stains are most likely derived from leakage from parked automobiles and/or equipment and are not believed to affect more than 3 to 6 inches of the surface soils at the stain locations. ***The hydrocarbon stained soil should be cleaned up and removed from the site.***
- Pole-mounted sealed electrical transformers owned and maintained by the Imperial Irrigation District (IID) exist on the west side of this site. The transformers likely contain electrolyte oils of unknown PCB's content. If the transformers begin to leak, the IID should be notified and the transformers replaced. The IID has initiated testing of all transformers and those with positive PCB levels are intended for removal within the next 2 years. ***No action is recommended.***
- There is a small house and a small office building near the northeast corner of the site (1402 and 1406 Dogwood Road). The houses have the exterior paint flaking off the sides of the structures and paint chips were noted on the ground around. The paint may contain lead paint. ***Samples of the paint should be taken for lead content analysis.***
- There is an old lead-acid battery near the southwest corner of the house. ***The battery should be removed and properly disposed.***

780 North 4th Street • El Centro, CA 92243 Phone (760) 337-1100 Fax (760) 337-8900

Attached is our report which describes the procedures used and results of the assessment. If you have any questions or require additional information, please do not hesitate to contact the undersigned at (760) 337-1100. We appreciate the opportunity to provide our professional review for this site.

Respectfully Submitted,
GS Lyon Consultants, Inc

Steven K. Williams, CEG
Senior Engineering Geologist

Jeffrey O. Lyon, P.E.
Principal Engineer

Distribution:
Client (4)

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APPENDICES:
Appendix A: Site Photographs
Appendix B: Geologic and Soils Maps
Appendix C: Historical Aerial Photographs
Appendix D: Sanborn Fire Insurance Maps
Appendix E: EDR Environmental Records Search Report
Appendix F: Resumes of Environmental Professionals

1.0 INTRODUCTION

1.1 Purpose

The purpose of this Phase I Environmental Site Assessment (ESA) is to identify potential environmental hazards associated with past and present activities on the project site or in the immediate site vicinity in general conformance to ASTM Standard E-1527-00 "*Standard Practice for Environmental Site Assessments*". No environmental assessment can completely eliminate the possibility of hazardous waste occurrences on a site. This ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with the subject project.

1.2 Involved Parties

GS Lyon Consultants, Inc. has been retained by Mr. Ed Mealey of Mealey/Becker, LLC to conduct a Phase I ESA at the project site as a prerequisite to property transaction (purchase, sale, refinance, etc.).

2.0 SCOPE OF WORK

2.1 Site Reconnaissance

A site reconnaissance was performed by a registered geologist of GS Lyon Consultants on September 2, 2004. The reconnaissance included visual observations of surficial conditions at the site, and observation of adjoining properties to the extent that they were visible from public areas. The reconnaissance also included site observations for the presence of polychlorinated biphenyls (PCB's) and/or asbestos containing materials (ACM's), indications of surface or subsurface hydrocarbon or pesticide contamination, the presence of on-site groundwater wells, pits or sumps, wastewater discharge practices, and surface water drainage patterns. The observations made are presented in Sections 3.1 through 3.6 of this report.

2.2 Background Review

A review of historic Sanborn Fire Insurance maps (Appendix D), historic aerial photographs (Appendix C), historic telephone and Polk City directories, and historic topographic maps (Appendix B) was performed to evaluate potentially adverse environmental conditions resulting from previous ownership and uses of the site. The details of the review are presented in Sections 4.1 through 4.5 of this report.

2.3 Regulatory Review

GS Lyon Consultants contracted Environmental Data Resources, Inc (EDR) of Southport, Connecticut to generate a compilation of State and Federal regulatory lists containing information regarding hazardous materials occurrences on or within a one mile radius of the project site. The EDR report is included in Appendix E. The details of the review are presented in Section 5.0 of this report.

2.4 Review of Title Documents/Environmental Liens

No title documents were provided by the client; therefore, GS Lyon did not investigate the presence of environmental liens on the subject property.

2.5 Analysis and Report Preparation

GS Lyon Consultants has reviewed the information outlined above and made inquiries of pertinent agencies regarding information gathered and general information about the site. This report summarizes the results of our study and provides our professional opinions regarding Recognized Environmental Concerns (REC's) on the site from past usage of the site and/or potential offsite sources and is presented in Section 6.0 of this report.

2.6 Radon Gas Testing

Due to the general absence of radon gas hazard in the Imperial County region of southern California, GS Lyon did not perform radon gas testing at the subject property.

3.0 SITE OVERVIEW

3.1 Site Location

The project site is located at the southwest corner of Ross Road and Dogwood Road in southeastern El Centro, California. The vicinity of the site is primarily industrial/commercial uses. The site location is depicted on Plate 1, Site Map.

3.2 Site Description

Topographic maps (USGS 7.5 minute El Centro Quadrangle) indicate that the site elevation is approximately 40 feet below mean sea level (MSL) or elevation 960 (local datum). The Imperial Irrigation District, which supplies power and raw (irrigation) water to the area, established local datum by equating mean sea level to El. 1000.00 feet.

The project site is rectangular in plan view, elongate in the north-south direction. The site is bounded on the north by Ross Road and the east by Dogwood Road. Both roads are partially developed four-lane arterials for the south and east sides of El Centro, respectively.

The site is relatively planar with little to no vegetation. The site appears to have recently been graded. The site is surrounded by a chain link fence with an entrance gate on the north side and at the southeast corner. There is an old abandoned pickup truck in the southeast corner near the gate.

There are two small structures near the northeast corner of the site. One is a small house and the other appears to be a small office building. Both structures have raised wood floors with perimeter footings. A water cistern is located between the two structures. The interiors of the structures were not investigated at the time of the site visit. Both structures have old paint which is flaking with paint chips on the ground around the buildings. A used car battery was noted at the southwest corner of the north house along with an empty gas can.

Transformers were noted on one of the power poles along the west side of the site. No evidence of leakage from the transformers was noted; however, the transformer electrolyte oils are likely to contain PCB's.

A large concrete floor slab is located along the west side of the subject site. A shop building once stood at the location of the slab. Hydrocarbon stained soil was noted around the perimeter of the slab. There is a sump located in the western portion of the slab. Several inches of sludge with a hydrocarbon odor was noted in the sump. A pile of broken concrete was located on the northeast corner of the slab. The broken concrete appeared to have hydrocarbon stains.

Photographs of the site taken on September 2, 2004 during our site reconnaissance are included in Appendix A.

3.3 Adjacent Properties

The site is located in a commercial/industrial area of southeastern El Centro, California. Properties to the south consist of a vacant parcel. Vacant land and several small commercial businesses are located to the east across Dogwood Road. Ferguson Plumbing Supply is located to the north across Ross Road.

3.4 Geologic Setting

The site is located in the Colorado Desert Physiographic province of southern California. The dominant feature of the Colorado Desert province is the Salton Trough, a geologic structural depression resulting from large-scale regional faulting. The trough is bounded on the northeast by the San Andreas Fault and the southwest by faults of the San Jacinto Fault Zone. The Salton Trough represents northward extension of the Gulf of California, which has experienced continual in-filling with both marine and non-marine sediments since the Miocene Epoch (25 million years before present). The tectonic activity that formed the trough continues at a high rate as evidenced by deformed young sedimentary deposits and high levels of historic seismicity.

The site is directly underlain by Holocene (0-11,000 years before present) Cahuilla Lake beds, which consist of interbedded lenticular and tabular sand, silt, and clay. The predominant surface soil is silty clay. The Holocene lake deposits are considered to be less than 100 feet thick and are characterized by surficial clay and silt deposits with varying amounts of fine sand. The topography of the Imperial Valley is relatively flat, with few significant land features. The valley floor slopes gently to the north (less than 0.5 percent) from an elevation of sea level at Calexico to approximately 225 feet below sea level at the Salton Sea.

3.5 Soil Conditions

The U. S. Soil Conservation Service compiled a map of surface soil conditions based on a thirteen-year study from 1962-1975. The Soil Survey maps were published in 1981 and indicate that surficial deposits at the site and surrounding area consist predominantly of silty clay and silty clay loams of the Imperial soil group (see Appendix B). These loams are formed in sediment and alluvium of mixed origin (Colorado River overflows and fresh-water lake-bed sediments). Based on Unified Soil Classification System presented in the Soils Survey Report, the permeability of these soils is expected to be low to very low.

3.6 Groundwater Conditions

The groundwater in the site area is brackish and is encountered at a depth of 8-12 feet below the ground surface. Depth to groundwater may fluctuate due to localized geologic conditions, precipitation, irrigation, drainage and construction practices in the region. Based on the regional topography, groundwater flow is assumed to be generally towards the north within the site area. Flow directions may also vary locally in the vicinity of the site.

4.0 SITE HISTORY AND OPERATIONS

4.1 Historical Aerial Photo Review

Aerial photographs from the Imperial Irrigation District (IID) archives were reviewed for historical development of the subject site.

The 1949 aerial photograph shows development on the site primarily in the area of the house and office building and along the west side of the site. The properties to the south and east are agricultural fields. There is some buildings on the property to the west. A rural farm building and an agricultural field are located to the north.

The 1959 aerial photograph is similar to the 1949 photograph except the west and southern portions of the subject site have been turned into an agricultural field.

The 1965 aerial photograph shows that the site has been taken out of agriculture and structures have been built on the west side of the site. There appears to be a shop building in the area where the concrete pad is located.

The 1984 and 1992 aerial photographs are similar to the 1965 photograph.

Reproductions of the historical aerial photographs reviewed are included in Appendix C.

4.2 Sanborn Fire Insurance Map Review

Sanborn Fire Insurance Maps are large scale maps depicting the commercial, industrial, and residential sections of various cities across the United States. Since the primary use of the fire insurance maps was to assess the buildings that were being insured, the existence and location of fuel storage tanks, flammable or other potentially toxic substances, and the nature of businesses are often shown on these maps.

Due to the rural undeveloped nature of the site vicinity, no Sanborn Fire Insurance Maps were available for this site. A "No Coverage" letter for the Sanborn Fire Insurance Maps is included in Appendix D.

4.3 Review of Historic Topographic Maps

Historic topographic maps, USGS 7.5 Min. El Centro, California Quadrangle, showed one building existing on the northeast portion of the site (area of the house).

4.4 Review of Historic Telephone and Polk Directories

Telephone directories for the Imperial County, which included the City of El Centro businesses published in 1941, 1955, and 1968, were reviewed. No service stations, chemical manufacturers, petroleum manufacturers, distributors, or automotive repair facilities were noted at or in the immediate vicinity of the site. Polk Directories for the year 1963 was reviewed.

4.5 Review of Title Information/Environmental Liens

No title documents were provided by the client for our review and no checks for environmental liens were made.

4.6 Personal Interviews

GS Lyon personnel conducted an interview with Ed Mealey, current property owner. The property was used for many years as an office and shop for George (Laddy) Willoughby. Subsequently to Mr. Willoughby's passing, the property was owned by Eagle A Construction which was in the general engineering business, which utilized heavy equipment. Subsequent to a foreclosure sale, Becker/Mealey Properties acquired the property. Becker/Mealey did not use the property for business operations. The property was not known to have had underground fuel storage tanks.

4.7 Other Information

Wetlands: No wetlands are located within one (1) mile of the subject property.

Sewer/water: Sewer and potable water service are available to the subject site from the City of El Centro.

Building Construction Materials: The risk of asbestos containing materials (ACM) and lead based paint existing at the subject property is considered moderate to high due to the age of the two buildings in the northeast corner of the site. Due to age of the site development and flaky nature of the exterior paint on the buildings, lead-based paint residues may exist in near-surface soils and also in the paint on the structures.

5.0 REGULATORY RECORDS REVIEW

The following is a brief synopsis of sites identified in the Environmental Data Resources (EDR) report. The report is included in its entirety in Appendix E.

A review of the EDR report identified the following sites located within ¼ mile as potential risks to the subject site:

1: Chromizing Southwest. Located at 1150 McCullon Drive (approximately 650 feet northwest of the site). The Chromizing Southwest site is a small quantity generator of hazardous waste which had a regulation violation. The site corrected the violation and was deemed compliant with the regulations in 1999.

2: Western Electrical. Located at 1860 Dogwood Road (approximately 2,100 feet north of the subject site). This site had reported leaking underground fuel tanks. The case was reviewed by the Regional Water Quality Control Board and the case was closed in 1993.

3: McNeece Bros Oil Company. Located at 1870 Dogwood Road approximately 2,200 feet northeast of the site. This site had reported leaking underground fuel tanks. The case was reviewed by the Regional Water Quality Control Board and the case was closed.

Several known underground storage tank sites located within ¼ to ½ mile of the site were identified in the EDR report. Because of their distance from the site, it is considered unlikely that prior or future hydrocarbon or agricultural chemical spills or releases would affect the site unless groundwater contamination and transport occurred.

6.0 DISCUSSION AND CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E1527 of the property located at the southwest corner of Dogwood Road and Ross Road in southeastern El Centro, California. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed the following Recognized Environmental Conditions (REC's) for the study site:

- An old shop building once existed along the west side of the site. The building has been removed, but the concrete floor slab is still present. There is a sump of the west side of the concrete pad with several inches of hydrocarbon stained residue. ***The sump should be cleaned out and the material properly disposed.***

- There is a small house and a small office building near the northeast corner of the site (1402 and 1406 Dogwood Road). The houses have the exterior paint flaking off the sides of the structures and paint chips were noted on the ground around. The paint may contain lead paint. ***Samples of the paint should be taken for lead content analysis.***

- There is an old lead-acid battery near the southwest corner of the house. ***The battery should be removed and properly disposed.***

- Several known leaking underground storage tanks (LUST) or other sites where hazardous materials are known to be used or stored are located within ½ mile of the site. Due to the distance from the site, migration of contaminants to the site via soil or groundwater is considered unlikely. ***No action is recommended.***

- There is a potential for contamination of the site by PCB's due to the presence of electrical transformers that may contain PCB's on a power pole along the west side of the site. No indication of leaking was visible at the time of the site visit. Transformer leakage should be reported to the Imperial Irrigation District Power Department as it occurs for proper maintenance and/or disposal. ***No action is recommended.***

- There is a slight potential for asbestos-containing materials existing at the site within the old house. ***No action is recommended.***

- Radon gas is not believed to be a potential hazard at the site. A report titled "California Statewide Radon Survey-Screening Results", dated November 1990 and published by the California State Department of Health Services, notes that Southern California showed a low risk of elevated radon levels, based on 2-day tests conducted from January through April 1990. Some of the reported testing was performed in Imperial County; however, no data was observed as being at or near the project site. ***No action is recommended.***

  The EDR report (Appendix E, Page A-8) indicates Imperial County lies within the EPA Radon Zone 3 (<2pCi/L).

7.0 LIMITATIONS

The data presented and the opinions expressed in this report are qualified as follows:

- Our assessment of the site and surrounding areas was conducted in accordance with ASTM guidelines and the *generally accepted environmental engineering standard of practice* which existed in Imperial County, California at the time that the report was prepared. No warranty, express or implied, is made.

- The sole purpose of the investigation and of this report is to assess the physical characteristics of the site with respect to the presence or absence in the environment of oil or hazardous materials and substances as defined in the applicable state and federal environmental laws and regulations and to gather information regarding current and past usages that may result in adverse environmental conditions at the site.

- GS Lyon Consultants, Inc. derived the data in this report primarily from visual inspections, examination of public records and information in the public domain, informal interviews with individuals, and readily available information about the site. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration of the site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.

- In preparing this report, GS Lyon Consultants, Inc. has relied upon and presumed accurate certain information (or the absence thereof) about the site and adjacent properties by governmental officials and agencies, the Client, and others identified herein. Except as otherwise stated in the report, GS Lyon Consultants has not attempted to verify the accuracy or completeness of any such information.

- The data report and the findings, observation, and conclusions expressed in the report are limited by the Scope of Services. The Scope of Services was defined by the requests of the Client, the time and budgetary constraints imposed by the Client, and the availability of access to the site.

- Because of the limitations stated above, the findings, observations, and conclusions expressed by GS Lyon Consultants in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulation.

- No warranty or guarantee, express or implied, is made with respect to the data reported or findings, observations, and conclusions expressed in this report. Further, such data, findings, observations, and conclusions are based solely upon site conditions in existence at the time of investigation.

- This report has been prepared on behalf of and for the exclusive use of the Client for the particular site identified in this report, and is subject to and issued in connection with the referenced Agreement and the provisions thereof. This report should not be relied upon by any party other than the client and his legal counsel without the express permission of GS Lyon Consultants, Inc.

APPENDIX A

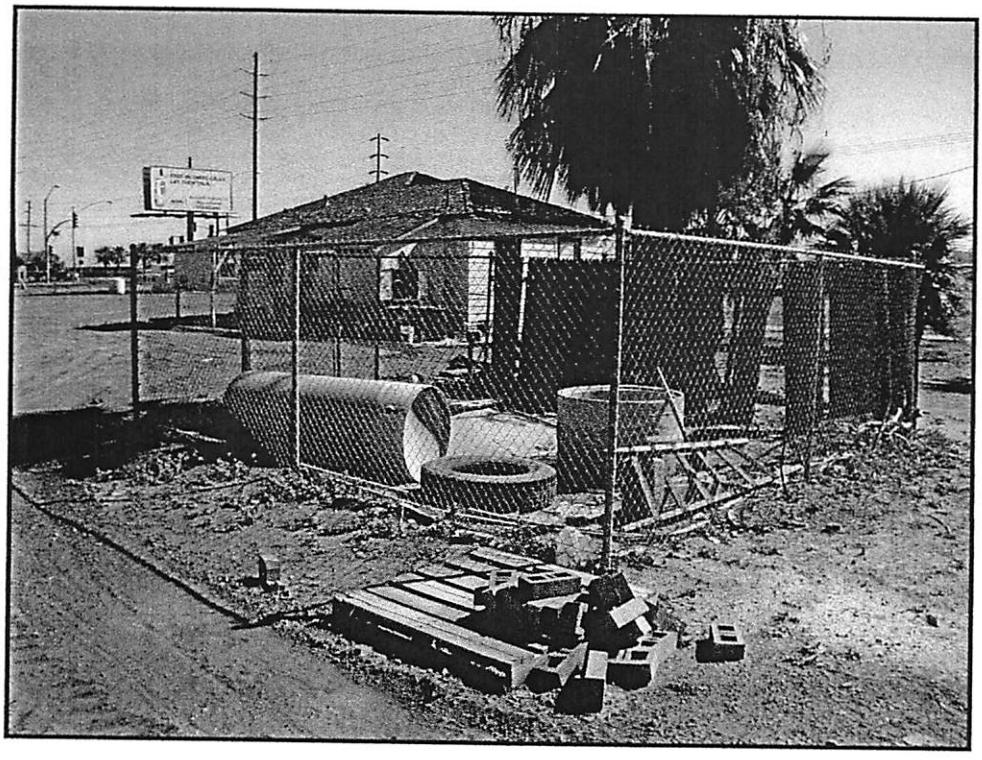


Photo 1: Water cistern west of the two buildings in the northeast corner of the site.

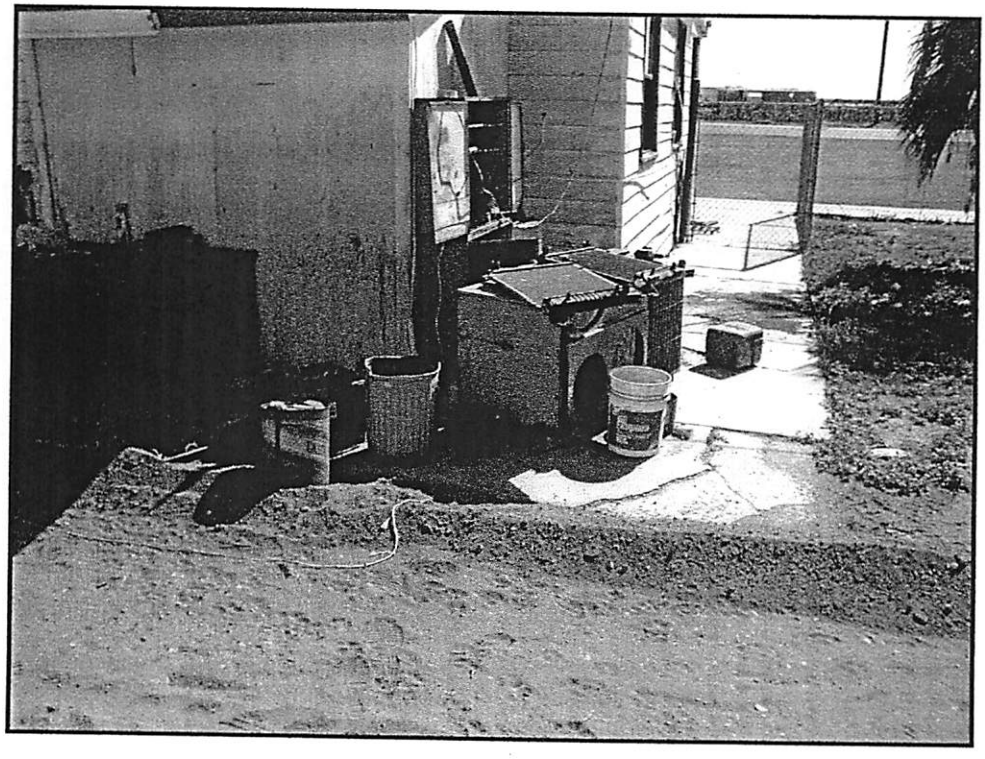


Photo 2: Used battery and other material on west side of old house.

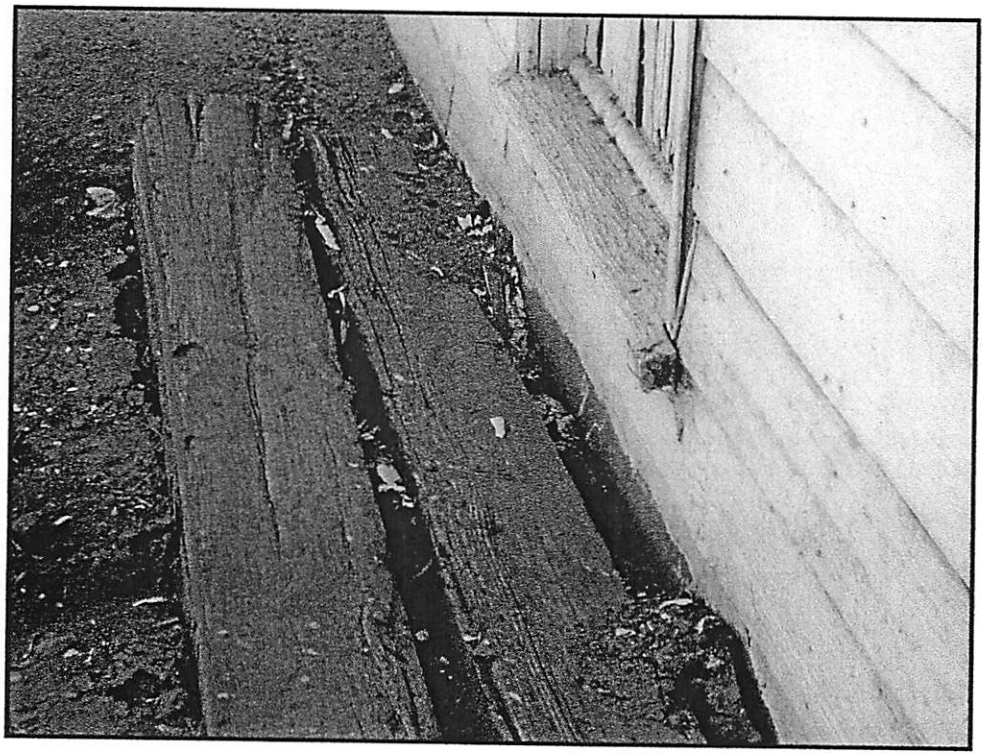


Photo 3: Old paint chips on the ground along north wall of house.

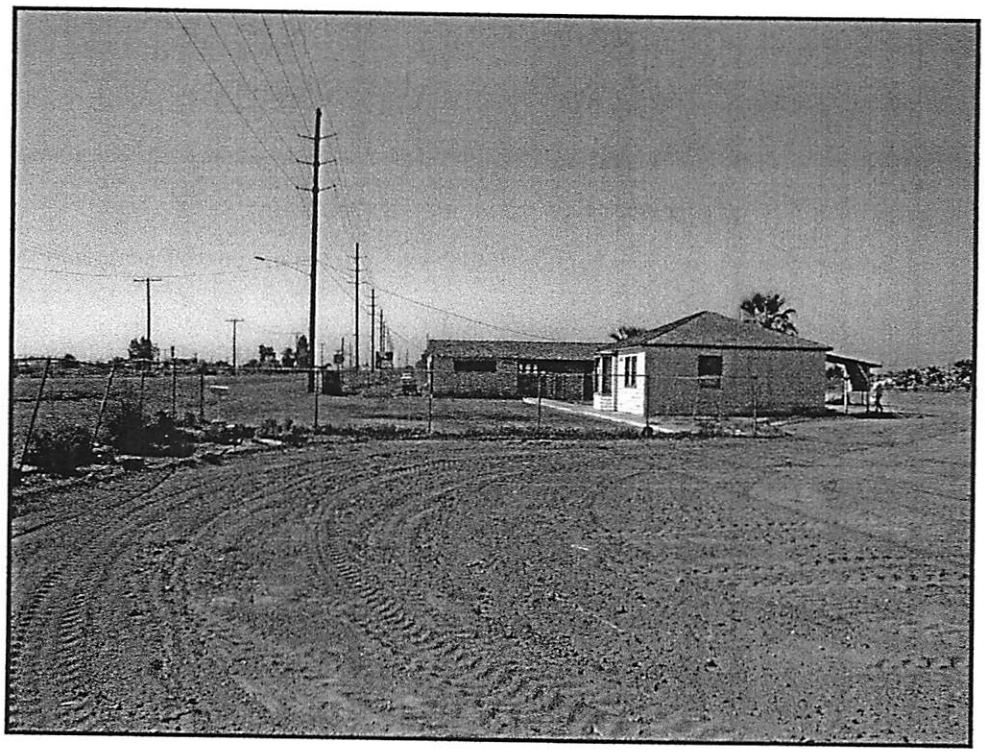


Photo 4: View of houses in the northeast corner of the site.

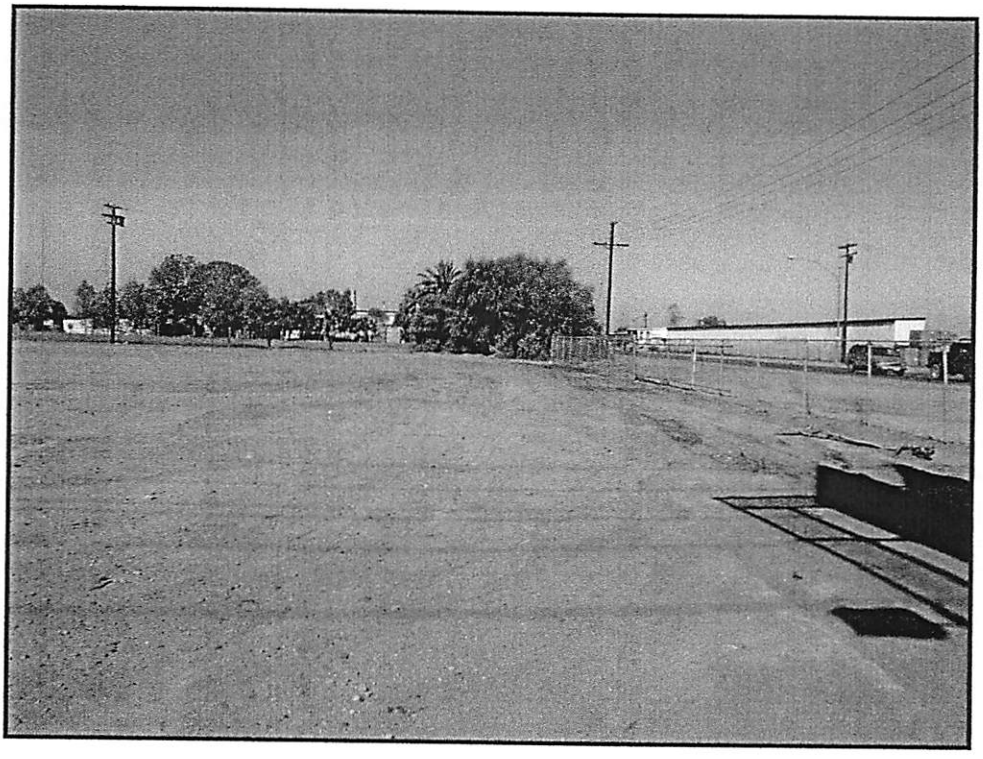


Photo 5: Looking west along the north side of the site.

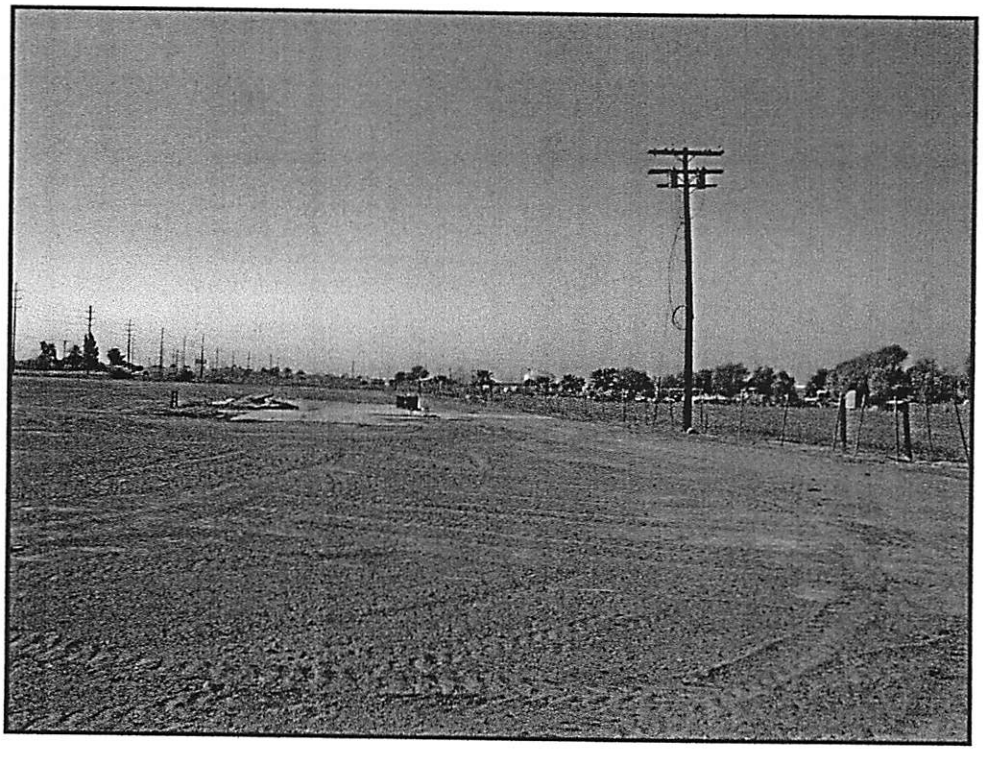


Photo 6: Looking south along the east side of the site. Note concrete pad of old shop building and the two transformers on the power pole.

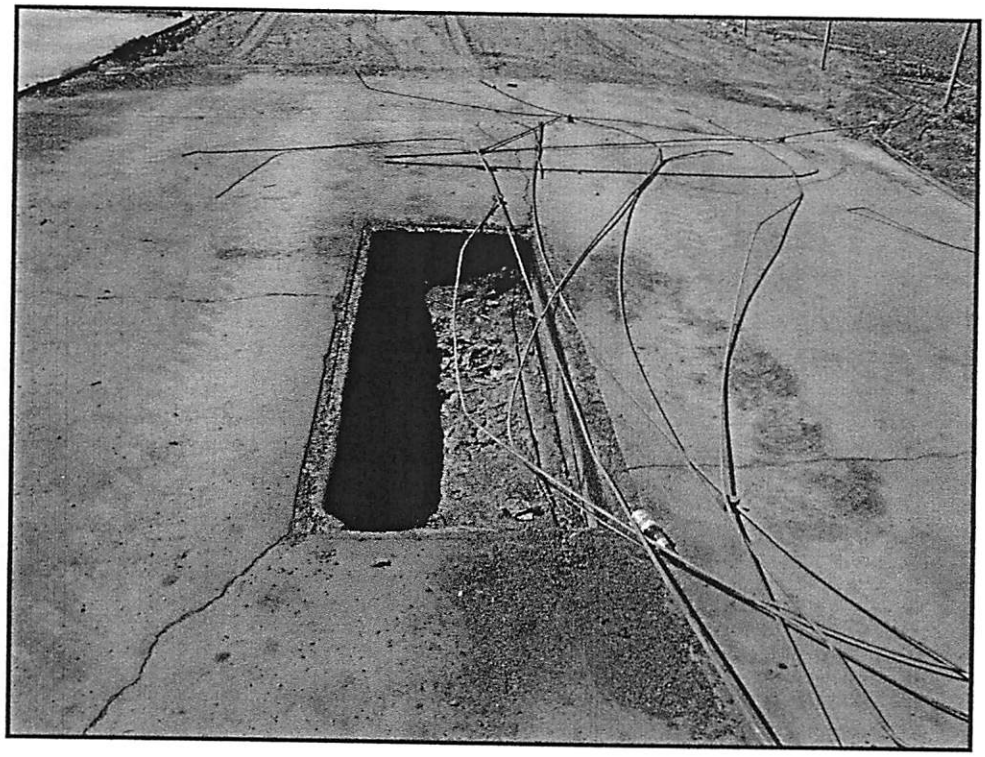


Photo 7: Sump pit in the old shop with several inches of hydrocarbon material in bottom.

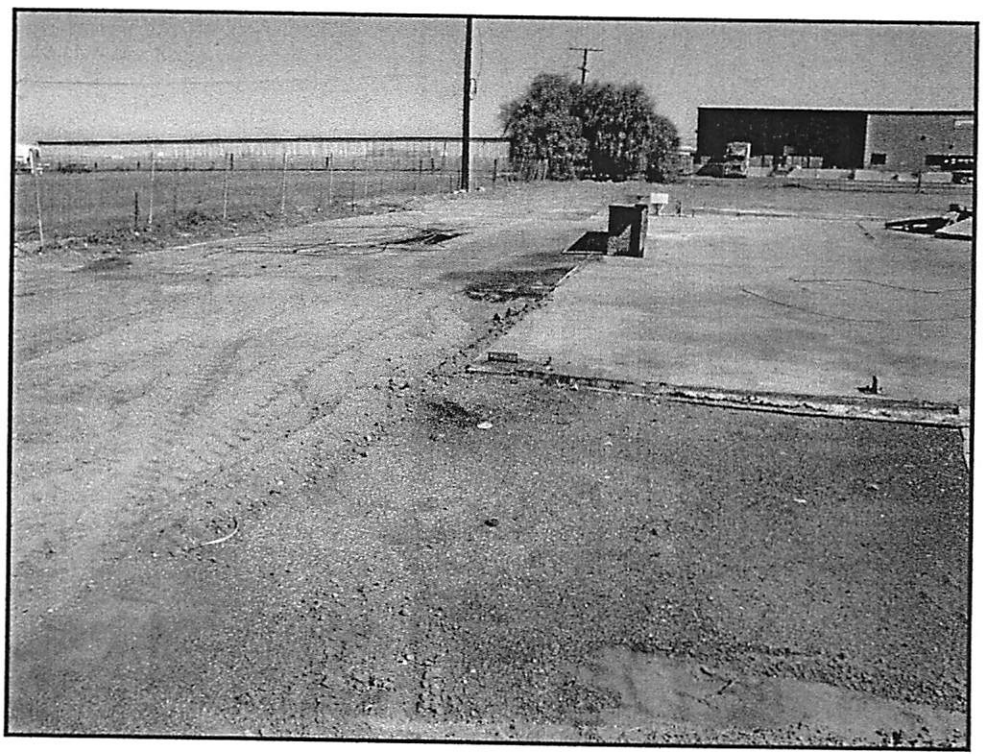


Photo 8: View of the shop slab showing the sump on the west side of the slab.

Photo 9: Broken concrete with some hydrocarbon staining piled on the shop slab.

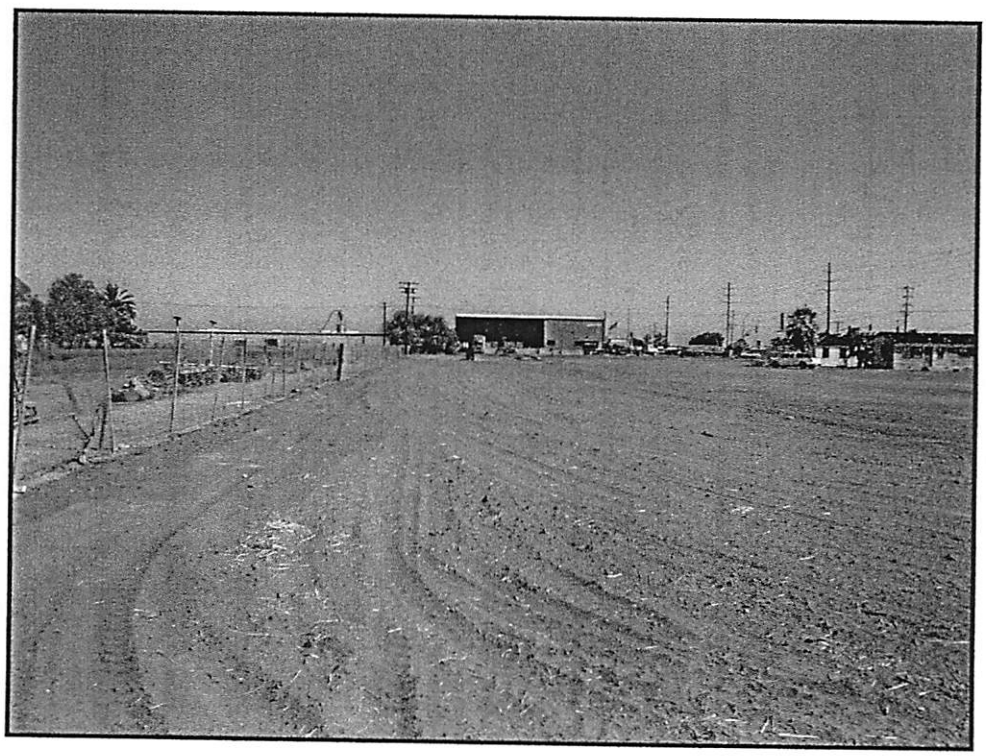


Photo 10: Looking north along the west side of the site.

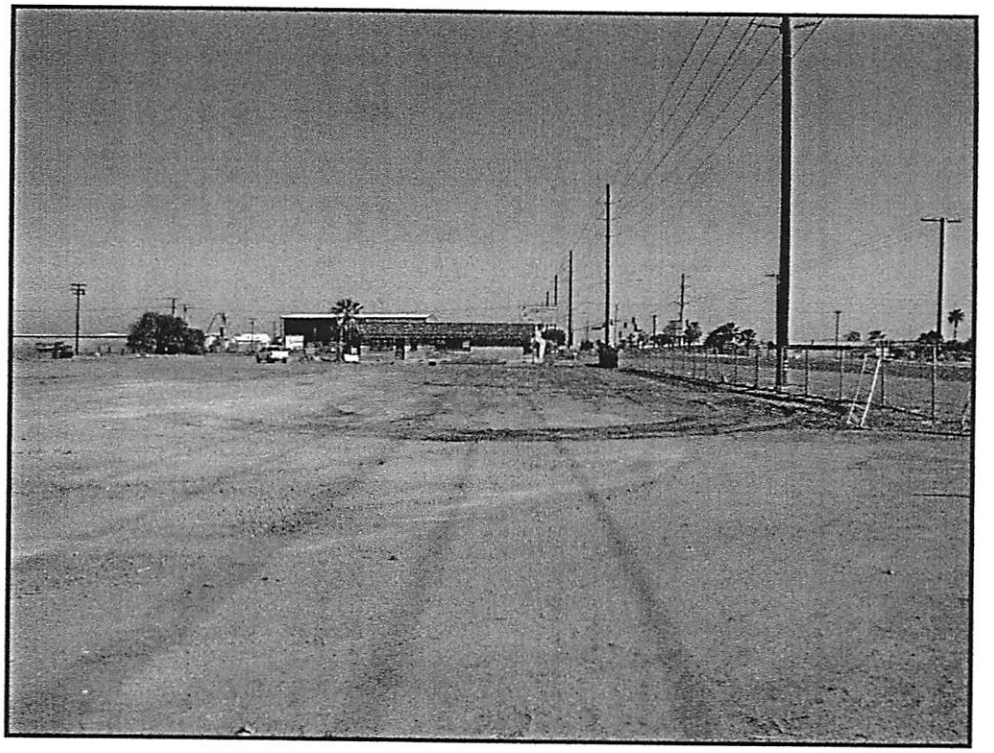


Photo 11: Looking north along the east side of the site.

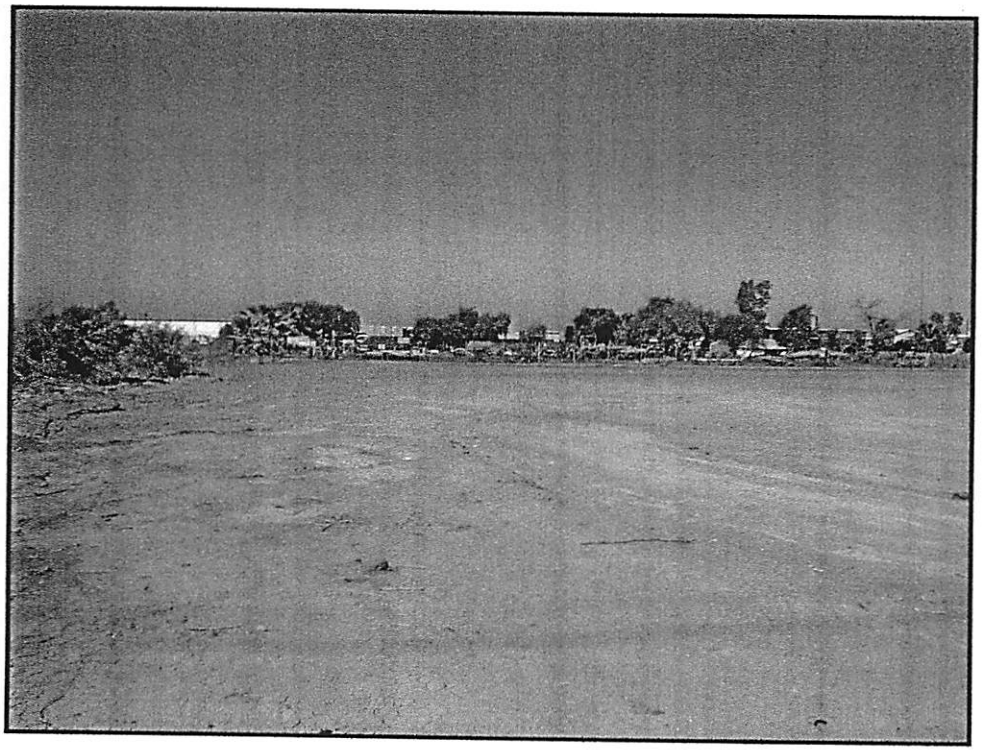
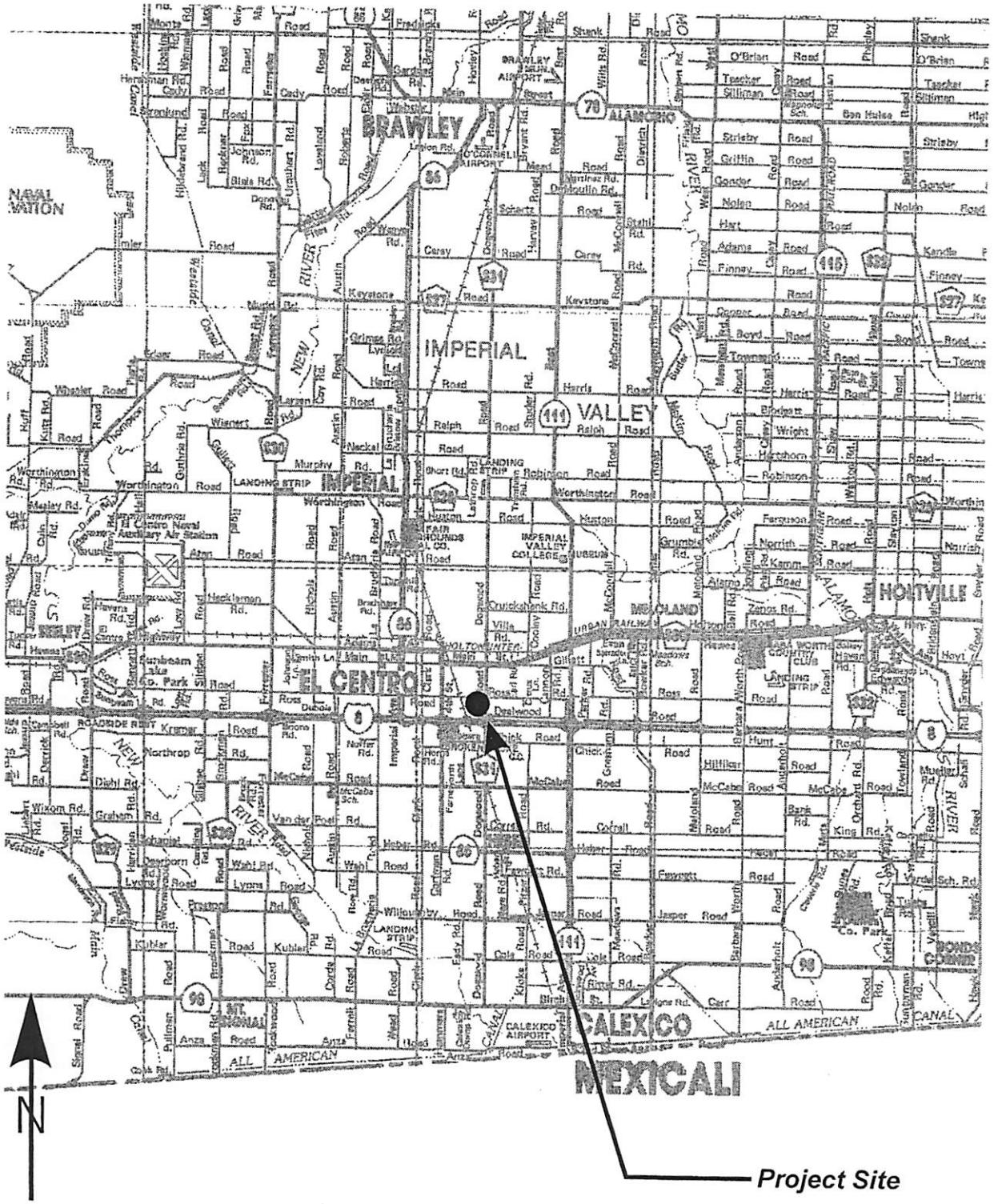


Photo 12: Looking along the south side of the site toward the west.

APPENDIX B

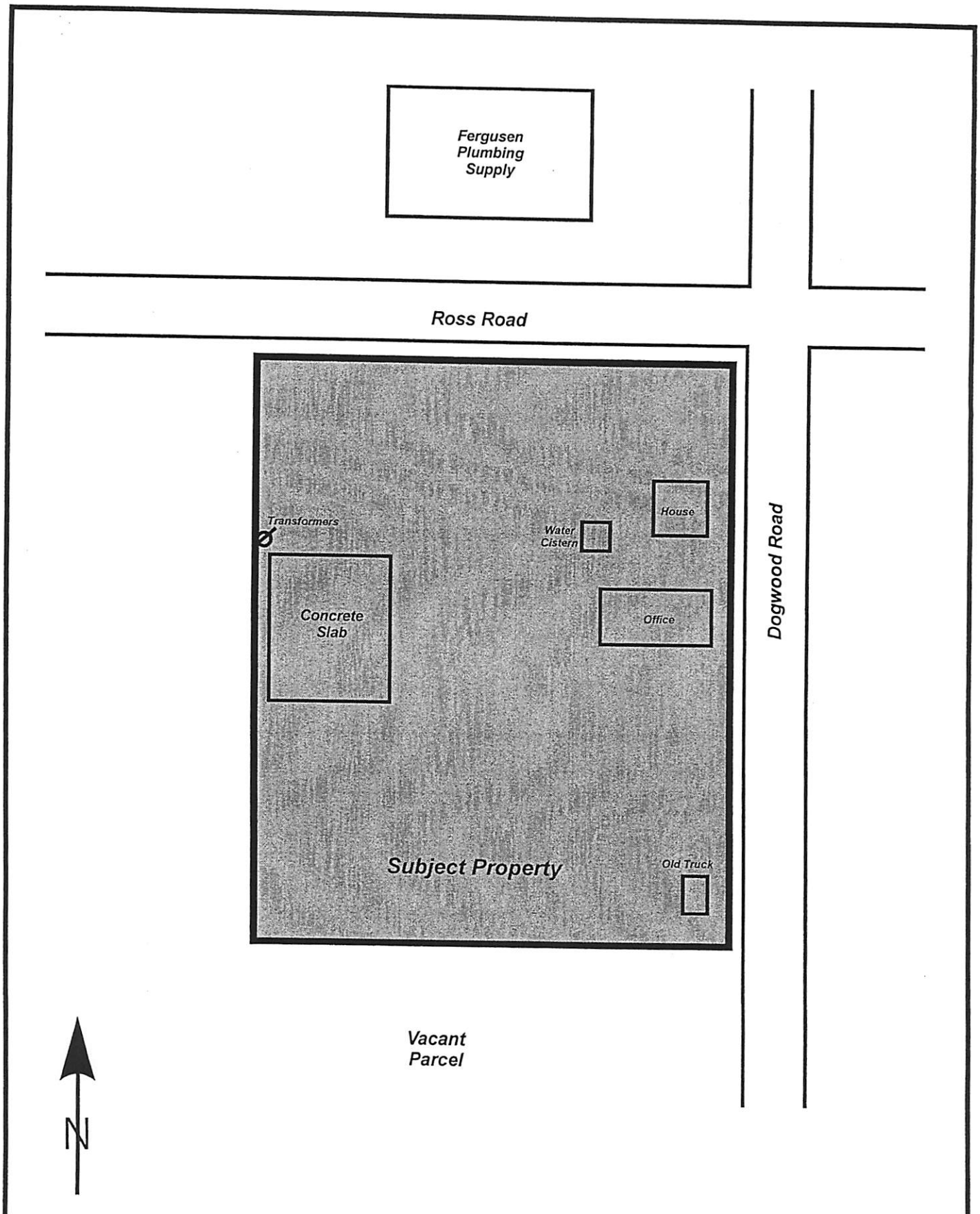


GS Lyon

Project No.: GS0458

Vicinity Map

Plate 1

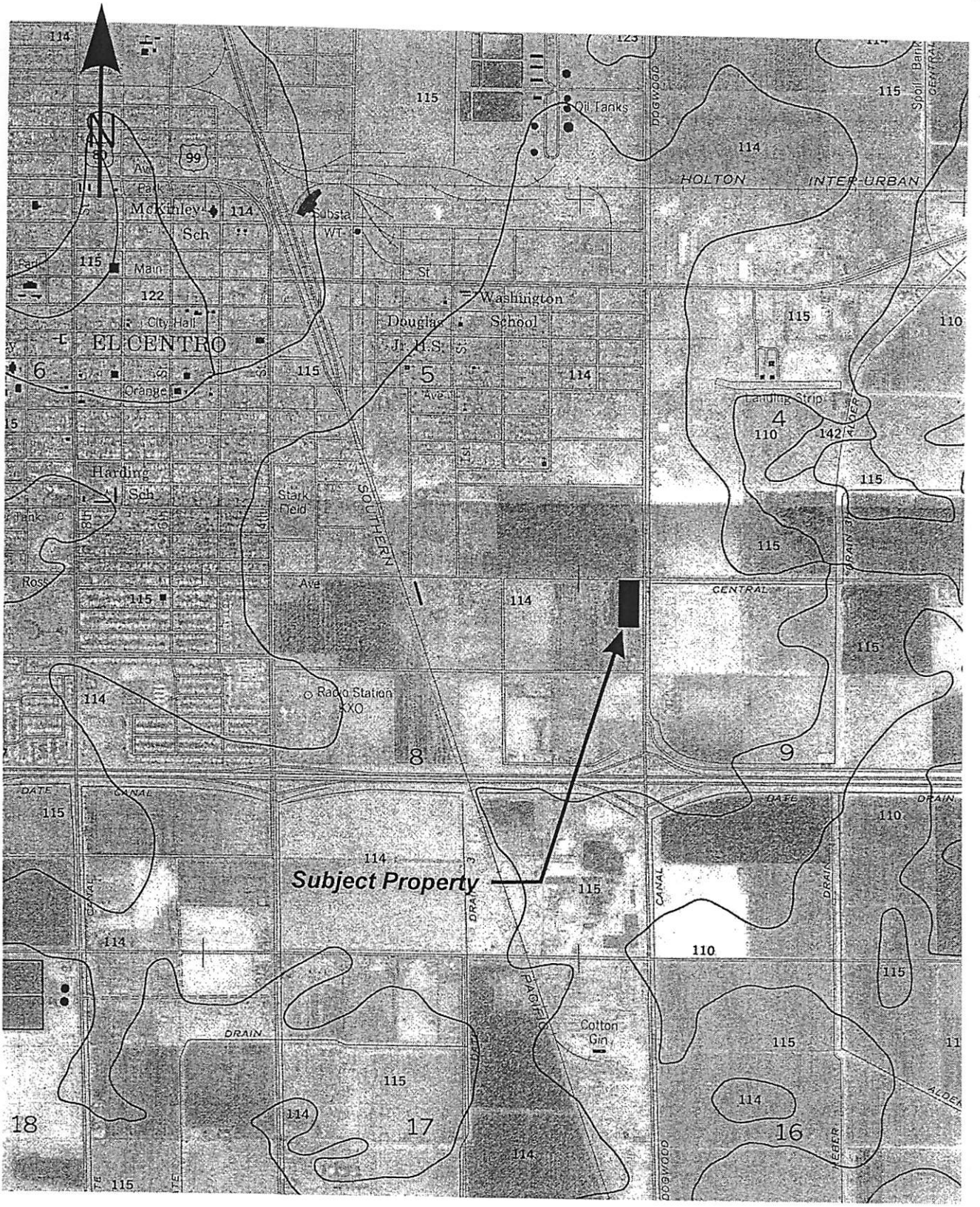


GS Lyon

Project No.: GS0458

Site Map

Plate 2



GS Lyon Project No.: GS0458	Soil Survey Map	Plate 3

Soil Survey of

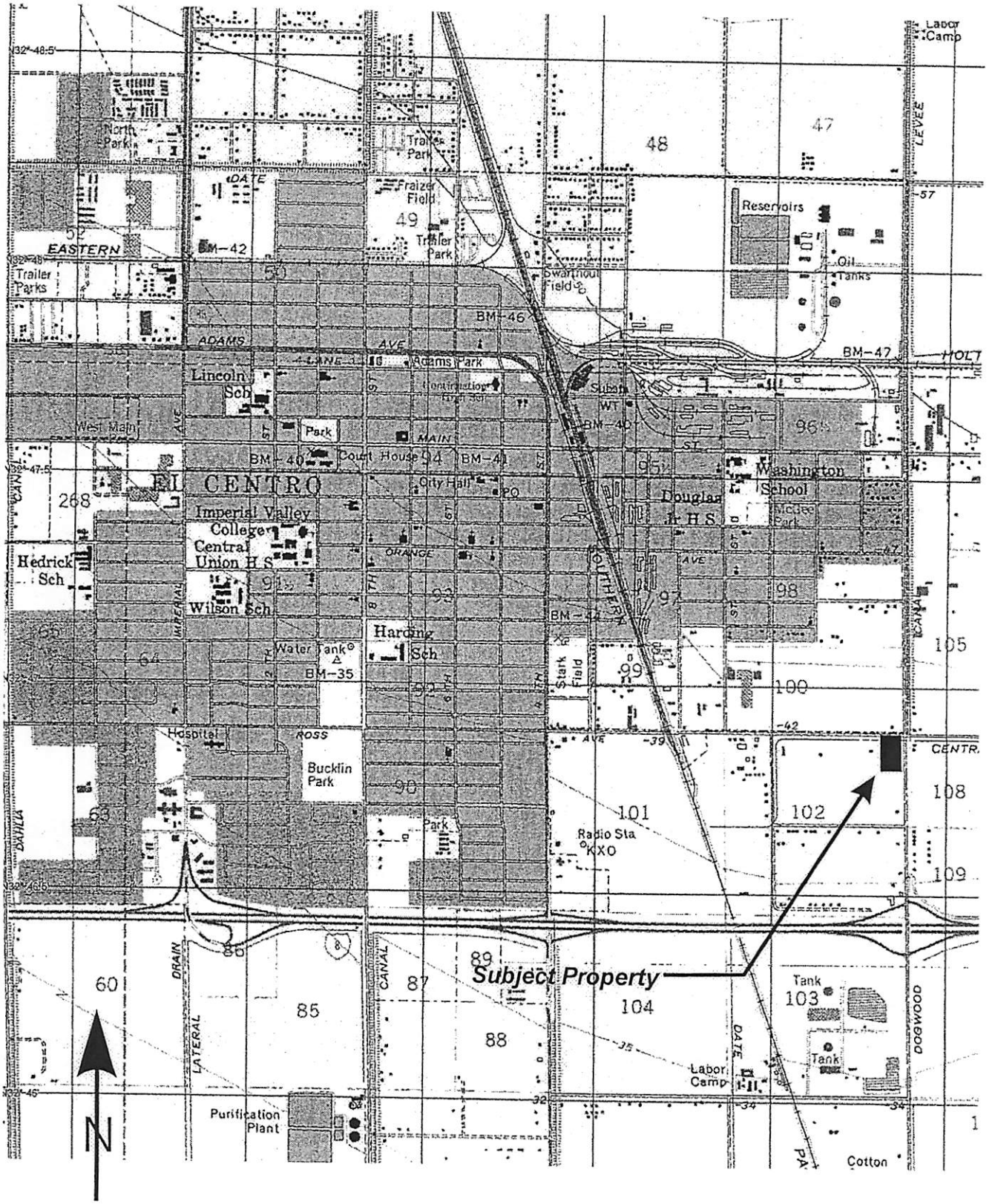
IMPERIAL COUNTY CALIFORNIA IMPERIAL VALLEY AREA

United States Department of Agriculture Soil Conservation Service
in cooperation with
University of California Agricultural Experiment Station
and
Imperial Irrigation District

TABLE 11.--ENGINEERING INDEX PROPERTIES--Continued

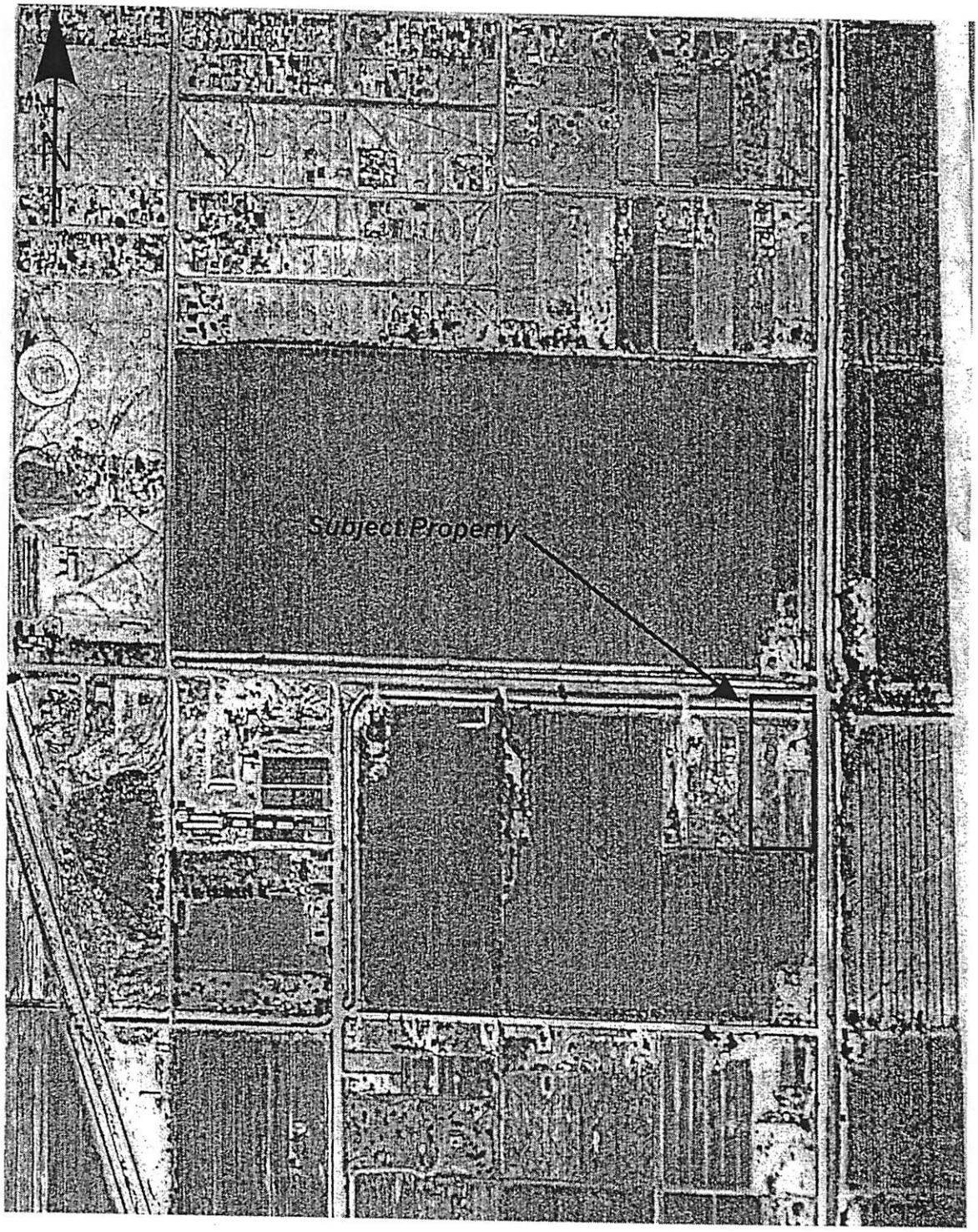
Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments > 3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
111*:											
Holtville	0-10	Silty clay loam	CL, CH	A-7	0	100	100	95-100	85-95	40-65	20-35
	10-22	Clay, silty clay	CL, CH	A-7	0	100	100	95-100	85-95	40-65	20-35
	22-60	Silt loam, very fine sandy loam.	ML	A-4	0	100	100	95-100	65-85	25-35	NP-10
Imperial	0-12	Silty clay loam	CL	A-7	0	100	100	100	85-95	40-50	10-20
	12-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
112	0-12	Silty clay	CH	A-7	0	100	100	100	85-95	50-70	25-45
Imperial	12-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
113	0-12	Silty clay	CH	A-7	0	100	100	100	85-95	50-70	25-45
Imperial	12-60	Silty clay, clay, silty clay loam.	CH	A-7	0	100	100	100	85-95	50-70	25-45
114	0-12	Silty clay	CH	A-7	0	100	100	100	85-95	50-70	25-45
Imperial	12-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
115*:											
Imperial	0-12	Silty clay loam	CL	A-7	0	100	100	100	85-95	40-50	10-20
	12-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
Glenbar	0-13	Silty clay loam	CL	A-6, A-7	0	100	100	90-100	70-95	35-45	15-25
	13-60	Clay loam, silty clay loam.	CL	A-6, A-7	0	100	100	90-100	70-95	35-45	15-25
116*:											
Imperial	0-13	Silty clay loam	CL	A-7	0	100	100	100	85-95	40-50	10-20
	13-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
Glenbar	0-13	Silty clay loam	CL	A-6, A-7	0	100	100	90-100	70-95	35-45	15-25
	13-60	Clay loam, silty clay loam.	CL	A-6	0	100	100	90-100	70-95	35-45	15-30
117, 118	0-12	Loam	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
Indio	12-72	Stratified loamy very fine sand to silt loam.	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
119*:											
Indio	0-12	Loam	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
	12-72	Stratified loamy very fine sand to silt loam.	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
Vint	0-10	Loamy fine sand	SM	A-2	0	95-100	95-100	70-80	25-35	---	NP
	10-60	Loamy sand, loamy fine sand.	SM	A-2	0	95-100	95-100	70-80	20-30	---	NP
120*	0-12	Loam	ML, CL-ML	A-4	0	100	95-100	75-85	55-65	20-30	NP-10
Laveen	12-60	Loam, very fine sandy loam.	ML, CL-ML	A-4	0	95-100	85-95	70-80	55-65	15-25	NP-10

See footnote at end of table.

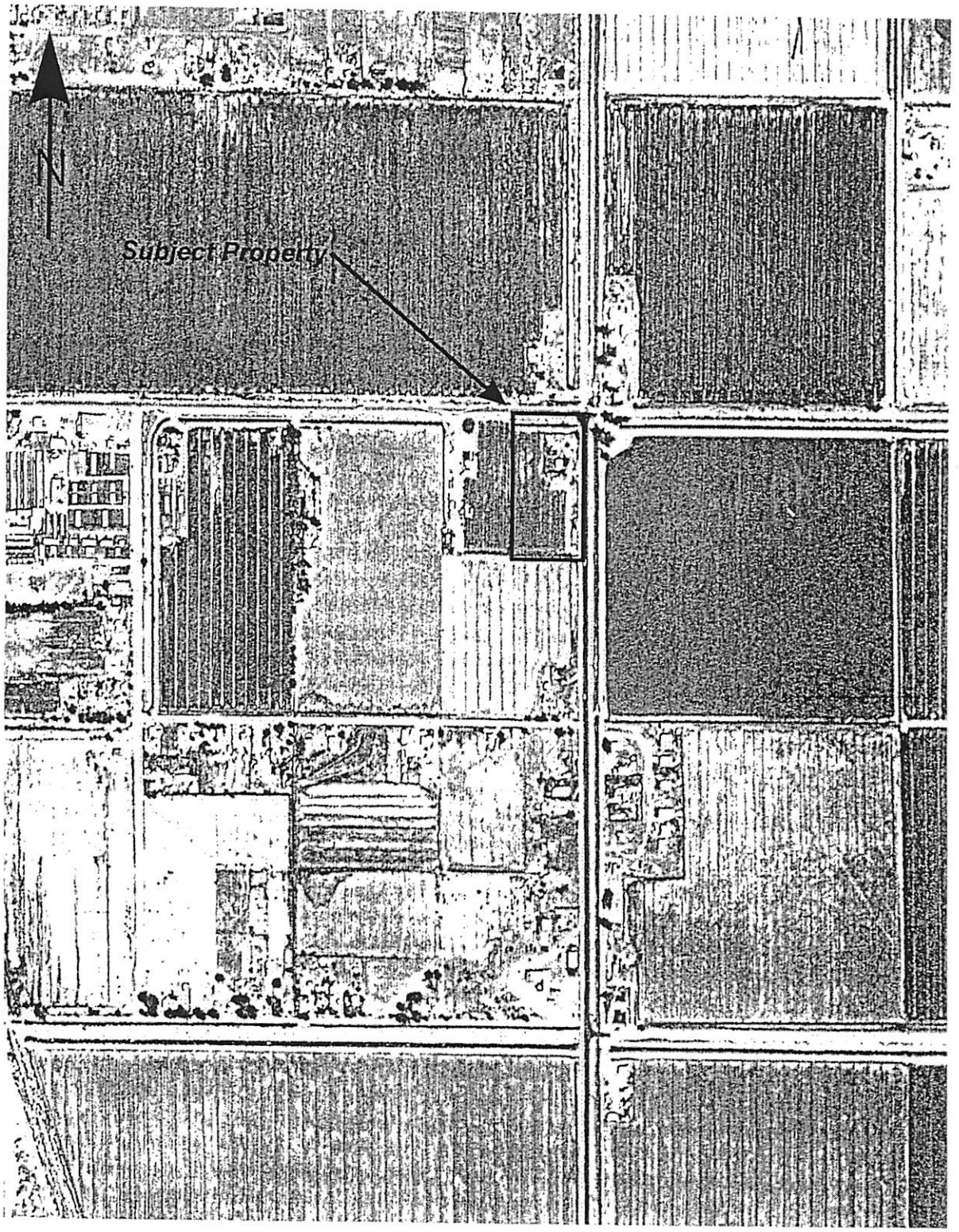


GS Lyon Project No.: GS0458	Topographic Map	Plate 4

APPENDIX C



GS Lyon Project No.: GS0458	1949 Aerial Photograph	Plate 5

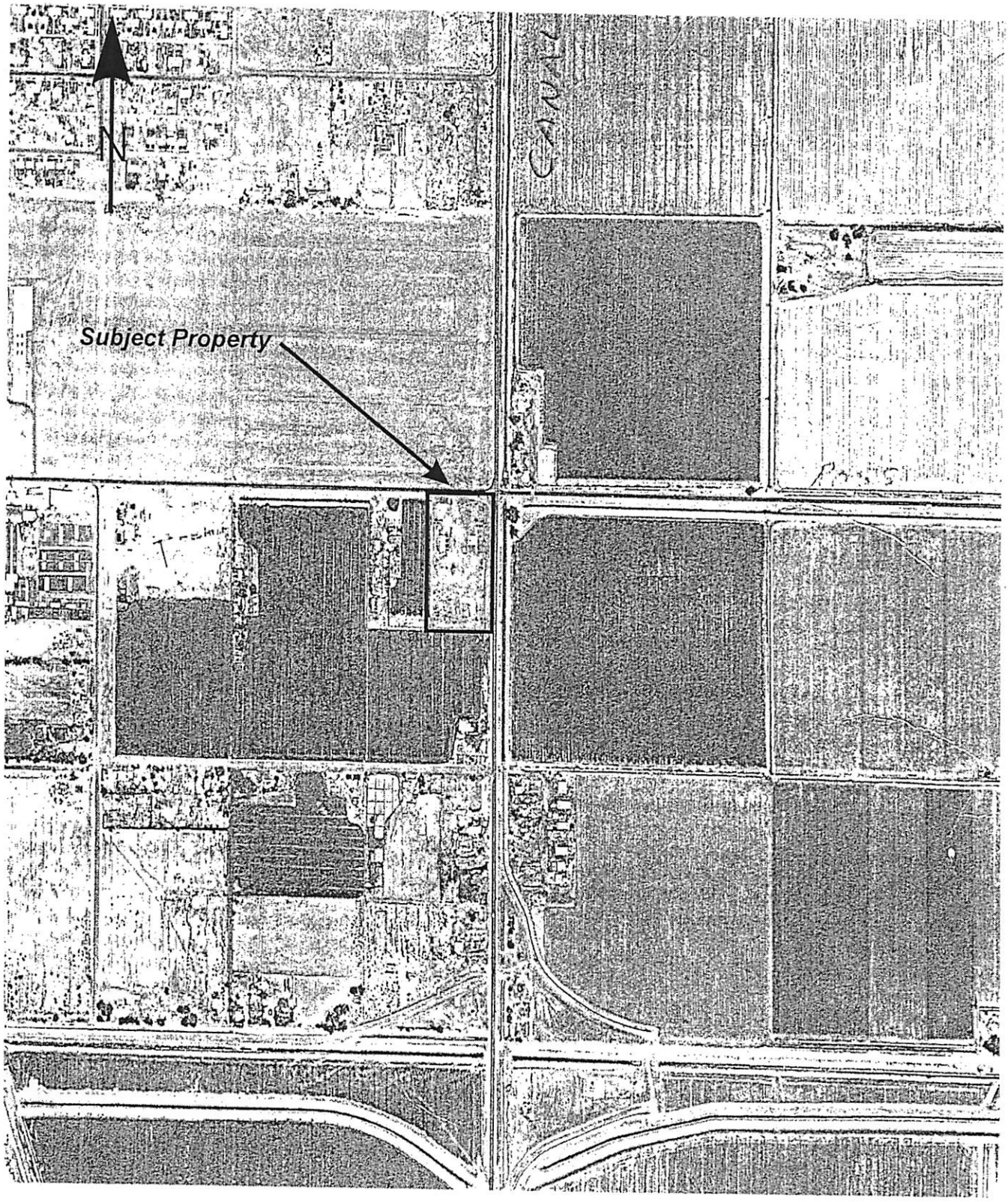


GS Lyon

Project No.: GS0458

1959 Aerial Photograph

Plate 6

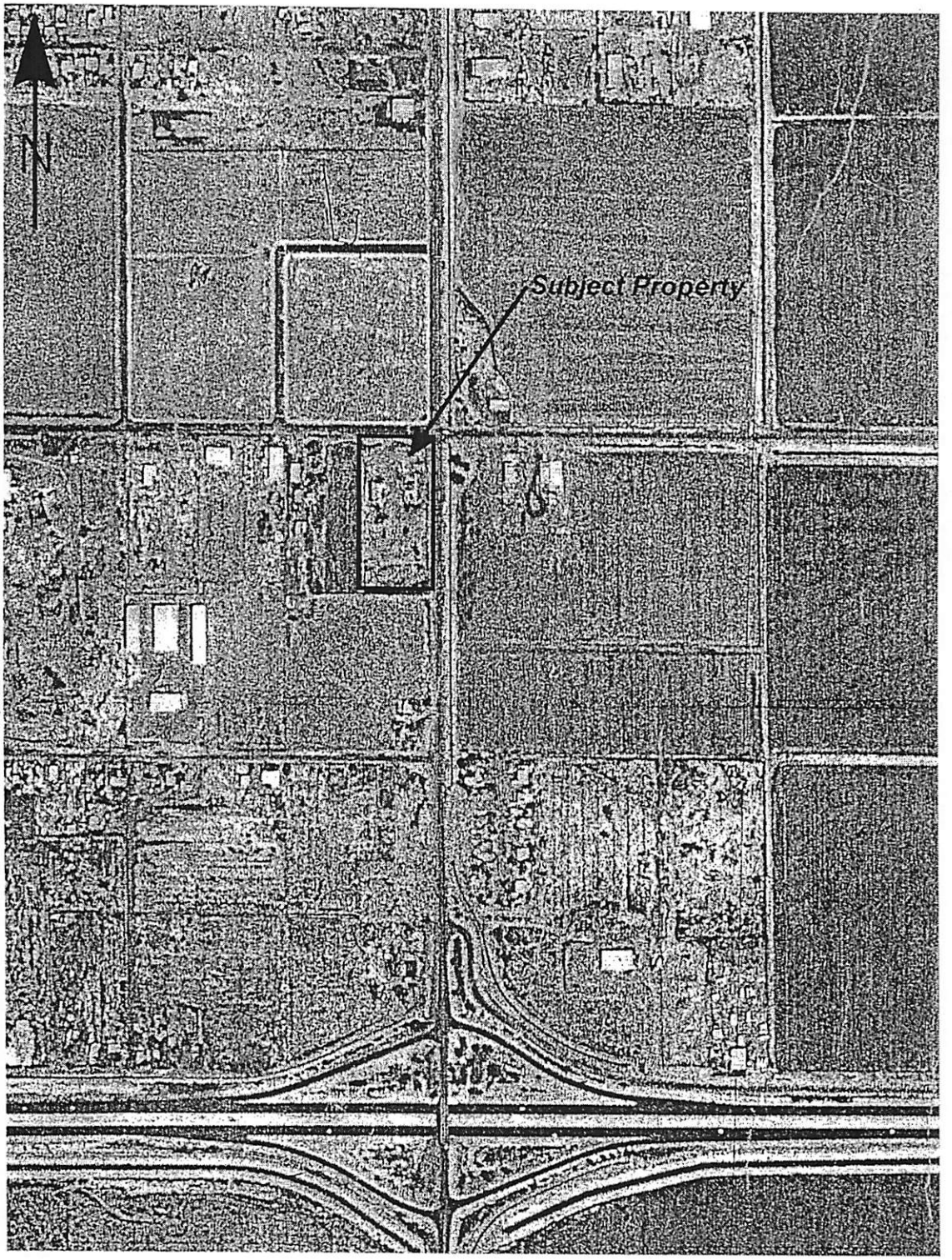


GS Lyon

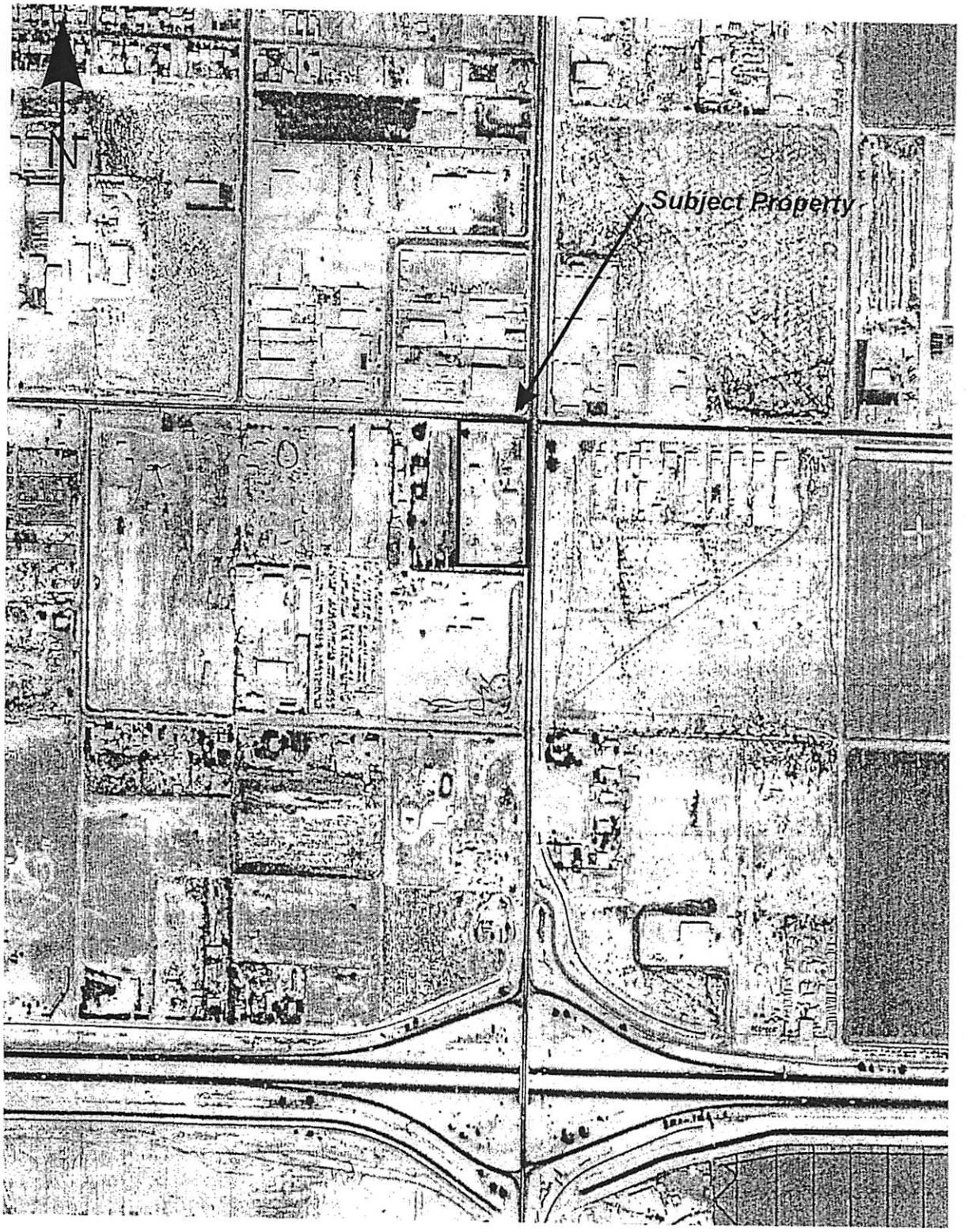
Project No.: GS0458

1965 Aerial Photograph

Plate 7



GS Lyon Project No.: GS0458	1984 Aerial Photograph	Plate 8



GS Lyon

Project No.: GS0458

1992 Aerial Photograph

Plate 9

APPENDIX D

EDR™ Environmental Data Resources Inc

"Linking Technology with Tradition"

Sanborn® Map Report

Ship To: Steven Williams
Southland Geotechnical
780 N. Fourth Street
El Centro, CA 92243

Order Date: 8/30/2004 **Completion Date:** 8/31/2004
Inquiry #: 1259720.2s
P.O. #: NA
Site Name: Becker/Mealey Site
Address: SWC Ross and Dogwood
City/State: El Centro, CA 92243
Cross Streets:

Customer Project: GS0458
5013515NIC 760-370-3000

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

APPENDIX E

EDR FieldCheck™ Report

with GeoCheck®

Becker/Mealey Site
SWC Ross and Dogwood
El Centro, CA 92243

Inquiry Number: 01259720.1r

August 30, 2004

EDR™ Environmental
Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-NSC

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	9
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	A-9

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Important information about The EDR FieldCheck(TM) Report

This is The EDR FieldCheck (TM) Report. Through its continuing emphasis in online technological advancements, EDR has developed the FieldCheck (TM) system, which enables EDR's customers to make certain online modifications to the maps and text contained in EDR Radius Map Reports. With FieldCheck (TM), an EDR customer can relocate and/or delete plotted sites and/or plot or delete orphan sites that would otherwise appear or be noted with an EDR Radius Map Report. Such modifications may be based on site visits, independent data verification and/or other actions taken or decisions made by EDR's customer. As a result, the maps and text contained in The EDR FieldCheck (TM) Report that you receive may have been so modified. Please note: EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. SOUTHLAND GEOTECHNICAL should be contacted for information concerning all such modifications.

EXECUTIVE SUMMARY

At the request of SOUTHLAND GEOTECHNICAL, a search of the environmental records covering the area detailed herein was conducted by Environmental Data Resources, Inc. (EDR). This report was derived from the results of such search, which, as conducted by EDR, met the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances were per ASTM standard or custom distances requested by the user.

NOTE: ALL MAPS AND TEXT INCLUDED HEREIN MAY HAVE BEEN MODIFIED BY SOUTHLAND GEOTECHNICAL BASED ON SITE VISITS, INDEPENDENT DATA VERIFICATION AND/OR OTHER ACTIONS TAKEN OR DECISIONS MADE BY SOUTHLAND GEOTECHNICAL. EDR HAS NOT TAKEN ANY ACTION TO VERIFY ANY OF SUCH MODIFICATIONS, AND THIS REPORT AND THE FINDINGS SET FORTH HEREIN MUST BE READ IN LIGHT OF THIS FACT. SOUTHLAND GEOTECHNICAL SHOULD BE CONTACTED FOR INFORMATION CONCERNING ALL SUCH MODIFICATIONS.

TARGET PROPERTY INFORMATION

ADDRESS

SWC ROSS AND DOGWOOD
EL CENTRO, CA 92243

COORDINATES

Latitude (North):	32.781300 - 32° 46' 52.7"
Longitude (West):	115.535800 - 115° 32' 8.9"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	637125.1
UTM Y (Meters):	3627800.8
Elevation:	39 ft. below sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	32115-G5 EL CENTRO, CA
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No sites were found in an online review and analysis by SOUTHLAND GEOTECHNICAL of EDR's search of available ("reasonably ascertainable") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

EXECUTIVE SUMMARY

CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRIS-TSD	Resource Conservation and Recovery Information System
RCRIS-LQG	Resource Conservation and Recovery Information System
ERNS	Emergency Response Notification System

STATE ASTM STANDARD

AWP	Annual Workplan Sites
Cal-Sites	Calsites Database
CHMIRS	California Hazardous Material Incident Report System
Notify 65	Proposition 65 Records
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
WMUDS/SWAT	Waste Management Unit Database
CA BOND EXP. PLAN	Bond Expenditure Plan
UST	List of Underground Storage Tank Facilities
VCP	Voluntary Cleanup Program Properties
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land
CA FID UST	Facility Inventory Database
HIST UST	Hazardous Substance Storage Container Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
UMTRA	Uranium Mill Tailings Sites
DOD	Department of Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
FUDS	Formerly Used Defense Sites
INDIAN RESERV	Indian Reservations
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Petroleum Storage Tank Facilities
CLEANERS	Cleaner Facilities
CA WDS	Waste Discharge System
DEED	List of Deed Restrictions
NFA	No Further Action Determination
EMI	Emissions Inventory Data

EXECUTIVE SUMMARY

REF..... Unconfirmed Properties Referred to Another Agency
SCH..... School Property Evaluation Program
NFE..... Properties Needing Further Evaluation
CA SLIC..... Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
HAZNET..... Facility and Manifest Data

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
VCP..... Voluntary Cleanup Program Properties

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

An online review and analysis by SOUTHLAND GEOTECHNICAL of the RCRIS-SQG list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 RCRIS-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CHROMIZING SOUTHWEST	*1150 MCCULLOM DR*	*0 - 1/8 NW*	*1*	*6*

EXECUTIVE SUMMARY

STATE ASTM STANDARD

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

An online review and analysis by SOUTHLAND GEOTECHNICAL of the Cortese list, as provided by EDR, has revealed that there are 2 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WESTERN ELECTRICAL	*1860 SOUTH DOGWOOD*	*1/4 - 1/2 S*	*2*	*6*
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
MCNEECE BROTHERS OIL COMP	*1870 B DOGWOOD*	*1/4 - 1/2 NNE*	*3*	*8*

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

An online review and analysis by SOUTHLAND GEOTECHNICAL of the LUST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

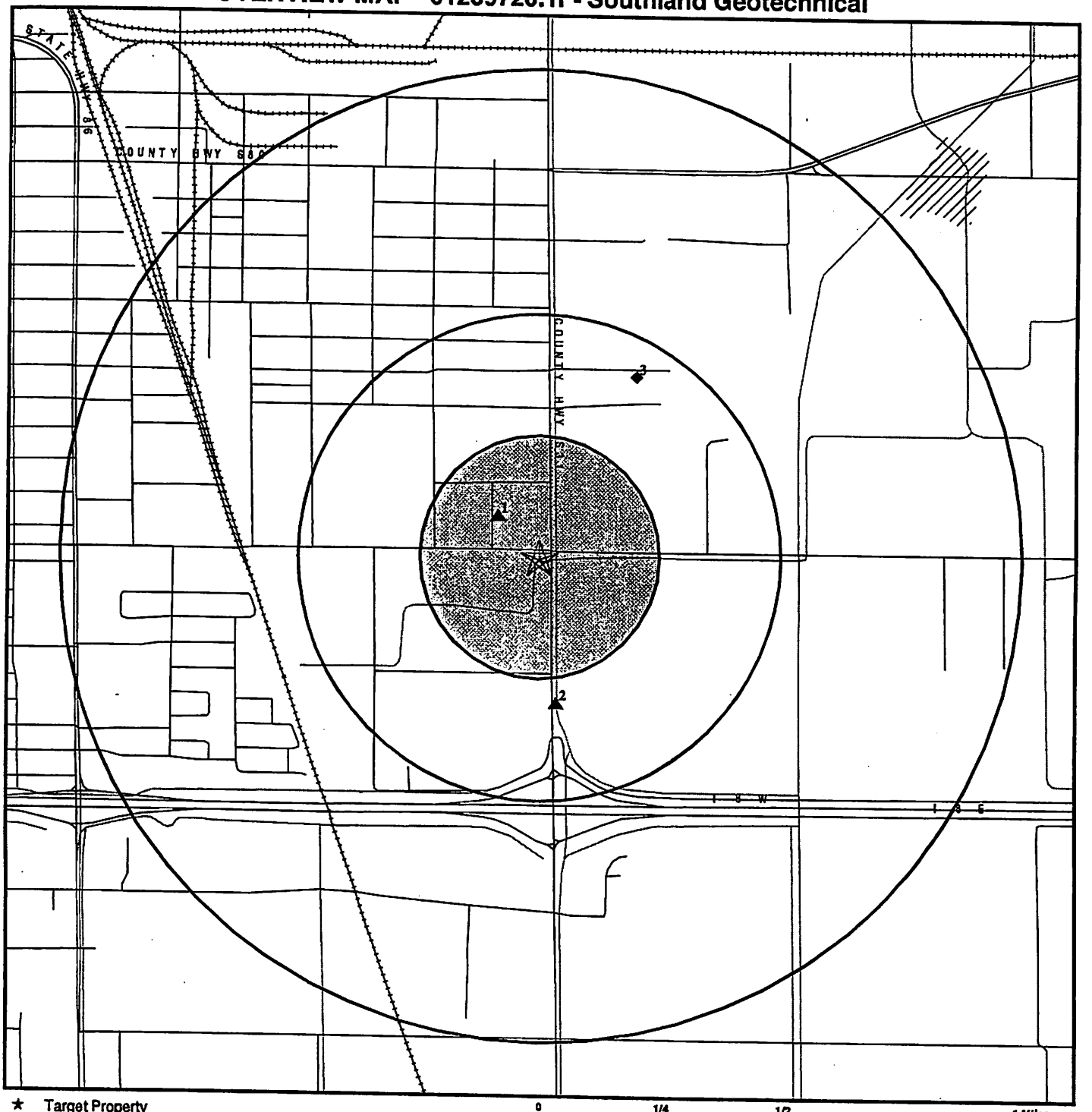
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WESTERN ELECTRICAL	*1860 SOUTH DOGWOOD*	*1/4 - 1/2 S*	*2*	*6*
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
MCNEECE BROTHERS OIL COMP	*1870 B DOGWOOD*	*1/4 - 1/2 NNE*	*3*	*8*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
ROSS ROAD & SPRR DISPOSAL SITE	SWF/LF

OVERVIEW MAP - 01259720.1r - Southland Geotechnical



0 1/4 1/2 1 Miles

★ Target Property
▲ Sites at elevations higher than or equal to the target property
◆ Sites at elevations lower than the target property
Coal Gasification Sites
National Priority List Sites
Landfill Sites
Dept. Defense Sites

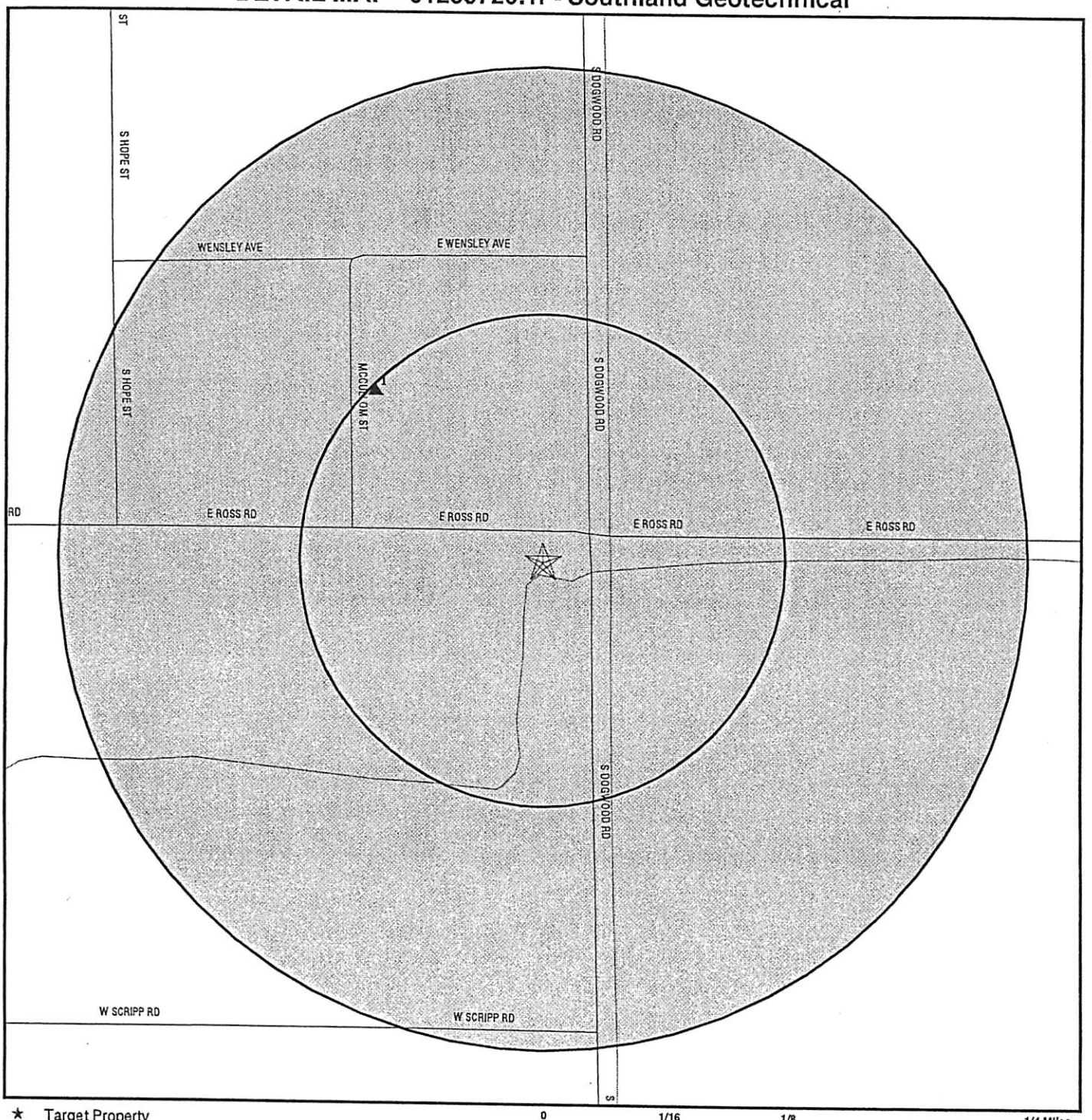
Indian Reservations BIA
Oil & Gas pipelines
100-year flood zone
500-year flood zone

Areas of Concern

N

TARGET PROPERTY:	Becker/Mealey Site	CUSTOMER:	Southland Geotechnical
ADDRESS:	SWC Ross and Dogwood	CONTACT:	Steven Williams
CITY/STATE/ZIP:	El Centro CA 92243	INQUIRY #:	01259720.1r
LAT/LONG:	32.7813 / 115.5358	DATE:	August 30, 2004 7:01 pm

DETAIL MAP - 01259720.1r - Southland Geotechnical



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Coal Gasification Sites

Sensitive Receptors

National Priority List Sites

Landfill Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

Areas of Concern

TARGET PROPERTY:	Becker/Mealey Site	CUSTOMER:	Southland Geotechnical
ADDRESS:	SWC Ross and Dogwood	CONTACT:	Steven Williams
CITY/STATE/ZIP:	El Centro CA 92243	INQUIRY #:	01259720.1r
LAT/LONG:	32.7813 / 115.5358	DATE:	August 30, 2004 7:01 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	1	0	NR	NR	NR	1
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	2	NR	NR	2
Notify 65		1.000	0	0	0	0	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	2	NR	NR	2
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
UST		0.250	0	0	NR	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
CA FID UST		0.250	0	0	NR	NR	NR	0
HIST UST		0.250	0	0	NR	NR	NR	0
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
FUDS		1.000	0	0	0	0	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
AST		TP	NR	NR	NR	NR	NR	0
CLEANERS		0.250	0	0	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
DEED		TP	NR	NR	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
REF		0.250	0	0	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
CA SLIC		0.500	0	0	0	NR	NR	0
HAZNET		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	0	0	0	NR	0
BROWNFIELDS DATABASES								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1
NW
< 1/8
647 ft.

CHROMIZING SOUTHWEST
1150 MCCULLOM DR
EL CENTRO, CA 92243

RCRIS-SQG 1000334792
FINDS CAD981462534

Relative: Equal

Actual: -39 ft.

RCRIS:
Owner: CHROMALLOY
(415) 555-1212
EPA ID: CAD981462534
Contact: ENVIRONMENTAL MANAGER
(619) 352-8621
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.30-34.C
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 08/12/1999
Actual Date Achieved Compliance: 09/13/1999

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/12/1999
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Other Evaluation	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19990913

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

2
South
1/4-1/2
1588 ft.

WESTERN ELECTRICAL
1860 SOUTH DOGWOOD
EL CENTRO, CA 92244

LUST S105023583
Cortese N/A

Relative: Higher

Actual: -36 ft.

State LUST:
Cross Street: ROSS ROAD
Qty Leaked: Not reported
Case Number 7T2244001
Reg Board: 7
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 13000
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1993-04-23 00:00:00
Release Date: Not reported
Cleanup Fund Id : Not reported

Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

WESTERN ELECTRICAL (Continued) **S105023583**

Discover Date : Not reported
Enforcement Dt : 1965-01-01 00:00:00
Enf Type: None Taken
Enter Date : 1994-06-06 00:00:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: OM
How Stopped: Not reported
Interim : Not reported
Leak Cause: Corrosion
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : 0
Beneficial: Not reported
Staff : GS
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: IMPERIAL VALLEY (7-3
Operator : DENNIS BERG
Oversight Prgm: LUST
Review Date : 1993-04-23 00:00:00
Stop Date : Not reported
Work Suspended :Not reported
Responsible PartyWESTERN ELECTRIC
RP Address: PO BOX 587, EL CENTRO, CA 92244
Global Id: T0602500115
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: SOUTH FORK SCHOOL
Well Name: Not reported
Distance To Lust: 1
Waste Discharge Global ID: W0602500604
Waste Disch Assigned Name: 1300604-001GEN

LUST Region 7:
Lead Agency: Regional Board
Status: 9 - CASE CLOSED
Region: 7
Case Num: 7T2244001
Case Worker: GS
ID : 1271
Global ID : T0602500115
Substance : Gasoline - Automotive

CORTESE:
Region: CORTESE
Fac Address 2: 1860 SOUTH DOGWOOD

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
3 NNE 1/4-1/2 2237 ft.	**MCNEECE BROTHERS OIL COMP** **1870 B DOGWOOD** **EL CENTRO, CA 92244**	**LUST** **Cortese**	**S104406230** **N/A**

Relative:
Lower

Actual:
-41 ft.

LUST Region 7:

Lead Agency:	Regional Board
Status:	9 - CASE CLOSED
Region:	7
Case Num:	7T2243009
Case Worker:	GS
ID :	939
Global ID :	T0602500064
Substance :	Gasoline - Automotive

CORTESE:

Region:	CORTESE
Fac Address 2:	Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL CENTRO	S102360238	ROSS ROAD & SPRR DISPOSAL SITE	ROSS RD NEXT TO VALLEY STOCKYARDS		SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/04
Date Made Active at EDR: 05/21/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04
Elapsed ASTM days: 17
Date of Last EDR Contact: 05/04/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 04/27/04
Date Made Active at EDR: 05/21/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04
Elapsed ASTM days: 17
Date of Last EDR Contact: 05/04/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/17/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 06/23/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 05/17/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 06/23/04

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/04
Date Made Active at EDR: 08/10/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/25/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 06/07/04

RCRIS: Resource Conservation and Recovery Information System
Source: EPA
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/04
Date Made Active at EDR: 07/20/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 27
Date of Last EDR Contact: 06/23/04

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 07/26/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/13/04

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/08/04
Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/04
Date of Next Scheduled EDR Contact: 08/02/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/04
Date of Next Scheduled EDR Contact: 07/19/04

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/19/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 03/05/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/30/04
Date of Next Scheduled EDR Contact: 09/27/04

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/24/04
Date of Next Scheduled EDR Contact: 08/23/04

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/30/04
Database Release Frequency: Annually

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

STORMWATER: Storm Water General Permits
Source: Environmental Protection Agency
Telephone: 202 564-0746
A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

INDIAN RESERV: Indian Reservations
Source: USGS
Telephone: 202-208-3710
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

RMP: Risk Management Plans
Source: Environmental Protection Agency
Telephone: 202-564-8600
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/01/03
Database Release Frequency: Varies

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/20/04

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 07/20/04
Date of Next Scheduled EDR Contact: 10/18/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites
Source: California Environmental Protection Agency
Telephone: 916-323-3400
Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 06/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 06/04/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 06/04/04

CAL-SITES: Calsites Database
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 06/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/04/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 06/04/04

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-845-8400
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/03
Date Made Active at EDR: 06/25/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 05/18/04
Elapsed ASTM days: 38
Date of Last EDR Contact: 05/13/04

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/01
Date Made Active at EDR: 07/26/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/29/01
Elapsed ASTM days: 58
Date of Last EDR Contact: 04/28/04

NOTIFY 65: Proposition 65 Records
Source: State Water Resources Control Board
Telephone: 916-445-3846
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/20/04

TOXIC PITS: Toxic Pits Cleanup Act Sites
Source: State Water Resources Control Board
Telephone: 916-227-4364
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 05/03/04

SWF/LF (SWIS): Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-341-6320
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/14/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/16/04
Elapsed ASTM days: 40
Date of Last EDR Contact: 06/16/04

WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-227-4448
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 06/07/04

LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-341-5752
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/12/04
Date Made Active at EDR: 07/30/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 07/12/04
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/12/04

CA BOND EXP. PLAN: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

CA UST:

UST: Active UST Facilities
Source: SWRCB
Telephone: 916-341-5752
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/12/04
Date Made Active at EDR: 08/06/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/12/04
Elapsed ASTM days: 25
Date of Last EDR Contact: 07/12/04

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/04/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 06/04/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: Environmental Protection Agency
Telephone: 415-972-3372
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: N/A
Date Made Active at EDR: N/A
Database Release Frequency: Varies

Date of Data Arrival at EDR: N/A
Elapsed ASTM days: 0
Date of Last EDR Contact: N/A

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 10
Telephone: 206-553-2857
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/23/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 33
Date of Last EDR Contact: 05/24/04

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: 06/18/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/21/04
Elapsed ASTM days: 35
Date of Last EDR Contact: 06/07/04

CA FID UST: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-445-6532
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94
Date Made Active at EDR: 09/29/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-341-5700
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/26/01

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/03/04
Date of Next Scheduled EDR Contact: 08/02/04

CLEANERS: Cleaner Facilities
Source: Department of Toxic Substance Control
Telephone: 916-225-0873
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/21/04
Database Release Frequency: Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

CA WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-341-5227
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/23/04
Date of Next Scheduled EDR Contact: 09/20/04

DEED: List of Deed Restrictions
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 07/06/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

NFA: No Further Action Determination
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

EMI: Emissions Inventory Data
Source: California Air Resources Board
Telephone: 916-322-2990
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/02
Database Release Frequency: Varies

Date of Last EDR Contact: 07/22/04
Date of Next Scheduled EDR Contact: 10/18/04

REF: Unconfirmed Properties Referred to Another Agency
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

SCH: School Property Evaluation Program
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

NFE: Properties Needing Further Evaluation
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

HAZNET: Facility and Manifest Data
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 05/10/04
Date of Next Scheduled EDR Contact: 08/09/04

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UGT Cleanup Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 06/11/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 12/09/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

CONTRA COSTA COUNTY:

Site List
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 08/30/04

FRESNO COUNTY:

CUPA Resources List
Source: Dept. of Community Health
Telephone: 559-445-3271
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 05/11/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/10/04
Date of Next Scheduled EDR Contact: 08/09/04

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 01/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/24/04
Date of Next Scheduled EDR Contact: 09/06/04

LOS ANGELES COUNTY:

List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 06/03/03
Database Release Frequency: Varies

Date of Last EDR Contact: 05/20/04
Date of Next Scheduled EDR Contact: 08/16/04

City of El Segundo Underground Storage Tank
Source: City of El Segundo Fire Department
Telephone: 310-524-2236

Date of Government Version: 06/02/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 08/30/04

City of Long Beach Underground Storage Tank
Source: City of Long Beach Fire Department
Telephone: 562-570-2543

Date of Government Version: 03/28/03
Database Release Frequency: Annually

Date of Last EDR Contact: 05/24/04
Date of Next Scheduled EDR Contact: 08/23/04

City of Torrance Underground Storage Tank
Source: City of Torrance Fire Department
Telephone: 310-618-2973

Date of Government Version: 02/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/17/04
Date of Next Scheduled EDR Contact: 08/16/04

City of Los Angeles Landfills
Source: Engineering & Construction Division
Telephone: 213-473-7869

Date of Government Version: 03/01/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

HMS: Street Number List
Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/13/04
Date of Next Scheduled EDR Contact: 08/23/04

Site Mitigation List
Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/26/04
Database Release Frequency: Annually

Date of Last EDR Contact: 05/17/04
Date of Next Scheduled EDR Contact: 08/16/04

San Gabriel Valley Areas of Concern
Source: EPA Region 9
Telephone: 415-972-3178
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99
Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 06/22/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/02/04
Date of Next Scheduled EDR Contact: 11/01/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NAPA COUNTY:

Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 06/28/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 06/28/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

ORANGE COUNTY:

List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/08/04
Date of Next Scheduled EDR Contact: 09/06/04

List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/08/04
Date of Next Scheduled EDR Contact: 09/06/04

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 06/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/08/04
Date of Next Scheduled EDR Contact: 09/06/04

PLACER COUNTY:

Master List of Facilities
Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/07/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/21/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/04
Date of Next Scheduled EDR Contact: 10/18/04

Underground Storage Tank Tank List
Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 06/21/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/04
Date of Next Scheduled EDR Contact: 10/18/04

SACRAMENTO COUNTY:

CS - Contaminated Sites
Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 04/16/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/07/04
Date of Next Scheduled EDR Contact: 08/02/04

ML - Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 04/16/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/07/04
Date of Next Scheduled EDR Contact: 08/02/04

SAN BERNARDINO COUNTY:

Hazardous Material Permits
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/28/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

SAN DIEGO COUNTY:

Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00
Database Release Frequency: Varies

Date of Last EDR Contact: 05/25/04
Date of Next Scheduled EDR Contact: 08/23/04

Hazardous Materials Management Division Database
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/31/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

SAN FRANCISCO COUNTY:

Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 06/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

Underground Storage Tank Information
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 06/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

SAN MATEO COUNTY:

Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/04
Date of Next Scheduled EDR Contact: 10/11/04

Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/07/04
Database Release Frequency: Annually

Date of Last EDR Contact: 07/12/04
Date of Next Scheduled EDR Contact: 10/11/04

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 12/31/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

Hazardous Material Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 10/01/03
Database Release Frequency: Annually

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

SOLANO COUNTY:

Leaking Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 03/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/13/04

Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 03/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/13/04

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 04/26/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

SUTTER COUNTY:

Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 09/01/02
Database Release Frequency: Annually

Date of Last EDR Contact: 06/25/04
Date of Next Scheduled EDR Contact: 08/23/04

Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/04/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/17/04
Date of Next Scheduled EDR Contact: 09/13/04

Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/13/04
Date of Next Scheduled EDR Contact: 10/11/04

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/04/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/17/04
Date of Next Scheduled EDR Contact: 09/13/04

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 06/02/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 10/18/04

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 08/23/04

LUST REG 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 03/31/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/16/04
Date of Next Scheduled EDR Contact: 10/11/04

LUST REG 3: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03
Database Release Frequency: Varies

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 08/16/04

LUST REG 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/10/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/28/04
Date of Next Scheduled EDR Contact: 09/27/04

LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 07/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/04
Date of Next Scheduled EDR Contact: 10/04/04

LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 09/06/04

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 05/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

LUST REG 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 09/27/04

LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 04/01/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 10/18/04

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 08/23/04

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/12/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/12/04
Date of Next Scheduled EDR Contact: 10/11/04

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 06/26/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/17/04
Date of Next Scheduled EDR Contact: 08/16/04

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 05/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-855-3075
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 6L: SLIC Sites
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 06/07/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 04/01/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 7: SLIC List
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491

Date of Government Version: 06/08/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 08/23/04

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 04/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/04
Date of Next Scheduled EDR Contact: 10/04/04

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 04/29/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 08/30/04

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/04
Date of Next Scheduled EDR Contact: 08/30/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BECKER/MEALEY SITE
SWC ROSS AND DOGWOOD
EL CENTRO, CA 92243

TARGET PROPERTY COORDINATES

Latitude (North):	32.781300 - 32° 46' 52.7"
Longitude (West):	115.535797 - 115° 32' 8.9"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	637125.1
UTM Y (Meters):	3627800.8
Elevation:	39 ft. below sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

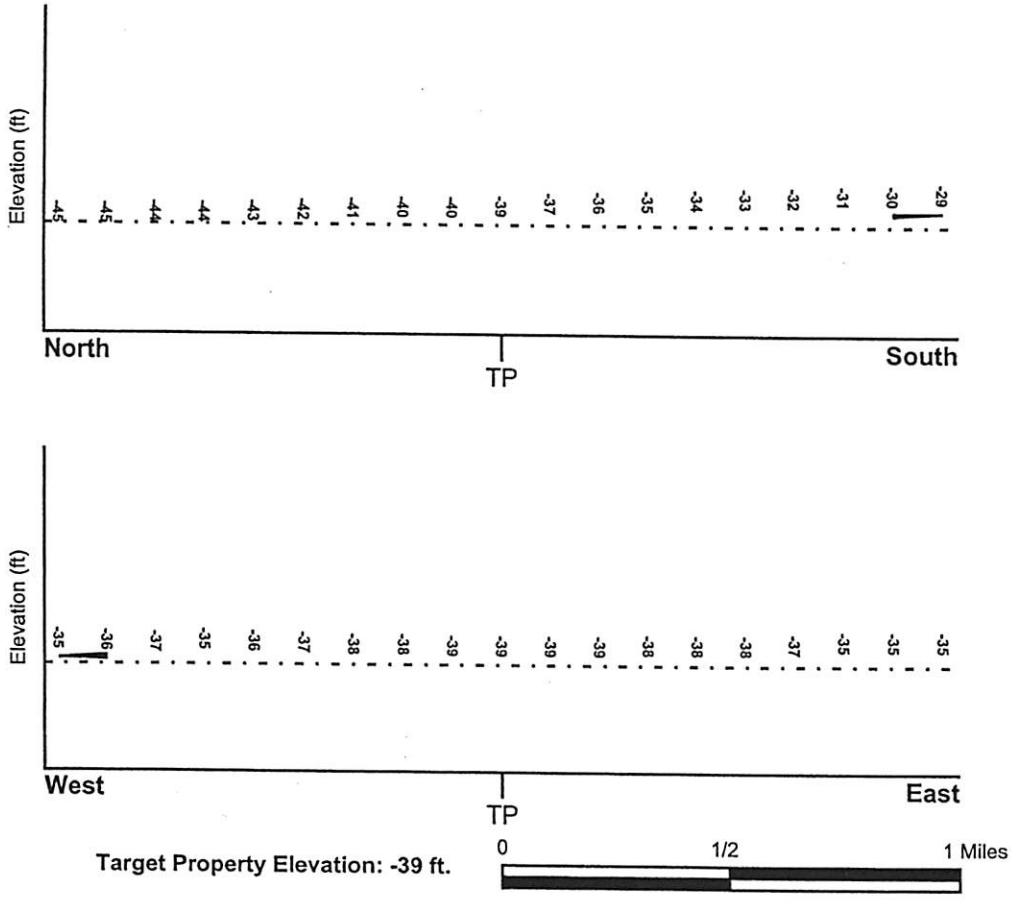
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	32115-G5 EL CENTRO, CA
General Topographic Gradient:	General North
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
IMPERIAL, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0600650800B

Additional Panels in search area: 0606700800B
0600651000B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
EL CENTRO	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: IMPERIAL

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information

	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	12 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 8.40 Min: 7.90

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
2	12 inches	60 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.06	Max: 8.40 Min: 7.90

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
loamy fine sand
silty clay
silt loam
gravelly - sand
loamy very fine sand
very fine sandy loam
sand
fine sandy loam

Surficial Soil Types:
loam
loamy fine sand
silty clay
silt loam
gravelly - sand
loamy very fine sand
very fine sandy loam
sand
fine sandy loam

Shallow Soil Types:
No Other Soil Types

Deeper Soil Types:
clay loam
loam
very gravelly - coarse sand
sandy clay loam
clay
sand
stratified
silty clay
loamy fine sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

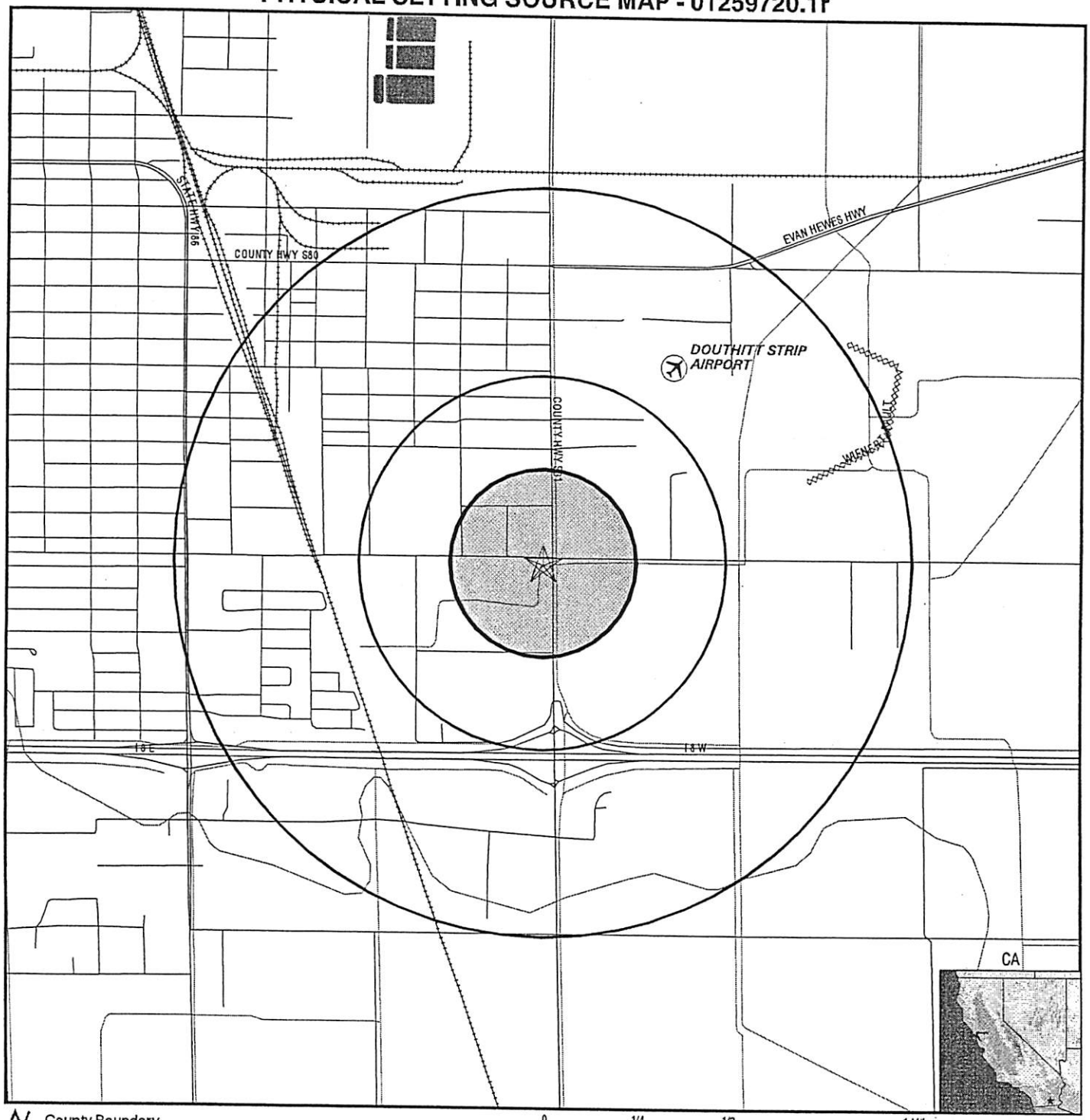
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 01259720.1r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

No contour lines were detected within this map area.

TARGET PROPERTY:	Becker/Mealey Site	CUSTOMER:	Southland Geotechnical
ADDRESS:	SWC Ross and Dogwood	CONTACT:	Steven Williams
CITY/STATE/ZIP:	El Centro CA 92243	INQUIRY #:	01259720.1r
LAT/LONG:	32.7813 / 115.5358	DATE:	August 30, 2004 7:01 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for IMPERIAL County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for IMPERIAL COUNTY, CA

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.450 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations for District 2, 3, 5 and 6
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

APPENDIX F

GSE Lyon

Kelly Nordmeyer
Staff Geologist

Education
B.S. Geology
University of California Riverside, 2000

Certification
Nuclear Gauge Certification - 2002

Professional Experience
Southland Geotechnical, Inc.
2001-present, Staff Geologist

Sid Geotechnical, Inc.
2000-2001, Soils Lab Technician

Summary of Experience
Ms. Nordmeyer has performed geotechnical investigations in the Coachella Valley. Her field experience includes logging of soil borings and exploratory trenches, collection and documentation of soil samples, collection of field geotechnical data, soils testing, and percolation testing. Ms. Nordmeyer is also responsible for preparing computer-generated data and figures, drafting and subsequent writing of geotechnical reports for a variety of projects including percolation studies and soil investigations. Ms. Nordmeyer also performs Phase I Environmental Site Assessments throughout the Coachella Valley and Riverside County.

The scope of work for these projects typically includes site reconnaissance, review of government records pertaining to previous site uses, and preparation of a report identifying potential environmental risks. She also conducts investigations for the potential of asbestos-containing materials in old building projects and potential for soil contamination by hydrocarbons, pesticides, and other hazardous materials.

Selected Project Experience
- County of Riverside Economic Development Agency
- Coachella Valley Unified School District K-12 Educational Park
- Imperial Irrigation District Substation
- Safety Kleen, Westmorland Waste Disposal Facility, California
- Coachella Valley Water District, 33-mile channel lining
- Wildcat Drive Office Building
- Agua Caliente Indians Tribal Administration Center, Andreas Canyon of Palm Springs
- Kennedy's Tires New Business Bldg Indio, California
- Feiro Engineering New Office Bldg, Rancho Mirage

GS Lyon

Steven K. Williams, CEG
Project Engineering Geologist

Education
M.S. Geology
University of Utah, 1993
B.S. Geology
University of Utah, 1989

Registration
Registered Geologist
Arizona 3759
California 6975
Certified Engineering Geologist
California 2261

Professional Experience

2000 – Present	Project Geologist GS Lyon Consultants, Inc.
1994 - 2000	Staff Geologist GS Lyon Consultants, Inc.
1994	Field Geologist Bureau of Land Management
1991 - 1992	Exploration Geologist Kennecott Corporation

Summary of Experience
Mr. Williams has performed geotechnical investigations in southern California and southwestern Arizona. His field experience includes logging of soil borings and exploratory trenches, collection and documentation of soil samples, collection of field geotechnical data, and monitoring pile driving operations. Mr. Williams is also responsible for preparing computer generated data and figures, drafting and subsequent writing of geotechnical reports for a variety of projects including road improvements, fault studies, liquefaction potential evaluation, foundation preparation, seepage studies, structural distress, and soil investigations. He has performed geotechnical, geologic, and environmental studies for a wide variety of projects including correctional facilities, water and wastewater facilities, schools, residential subdivisions, commercial developments, and landfills throughout southern California and southwestern Arizona.

Mr. Williams also performs Phase I Environmental Site Assessments throughout the Imperial and Coachella Valleys. The scope of work for these projects typically include a site reconnaissance, review of government records pertaining to previous site uses, and preparation of a report identifying potential environmental risks.

He also conducts investigations for the potential of asbestos-containing materials and lead-based paint in old building projects and potential for soil contamination by hydrocarbons, pesticides, and other hazardous materials.

Professional Affiliations
Geological Society of America, Member

Selected Project Experience
- **El Centro Seniors Apartments, El Centro, CA**

Performed Phase I and Phase II environmental site assessments for apartment complex at old school district office site with underground storage tanks.

- **Central Main Canal Seepage Study, Imperial, CA**

Conducted 6-month groundwater seepage study for Imperial Irrigation District to evaluate high groundwater levels in Sandalwood Glen Subdivision

- **Gateway to the Americas, Calexico, CA**

Conducted Phase I ESA, geologic hazards study and geotechnical investigation including liquefaction evaluation for 1,700 acre development associated with new Port of Entry east of Calexico

- **El Centro Magistrate Court, El Centro, CA**

Conducted geotechnical investigation and Phase I ESA for new Federal Magistrate Court building at site with soft soil conditions requiring foundation settlement analysis

- **El Centro Regional Medical Center, El Centro, CA**

Conducted Phase I ESA and geotechnical investigation for 50,000 sf, 2-story addition to the medical center's emergency room, operating rooms, and recovery rooms.

- **Brawley Union High School, Brawley, CA**

Conducted Phase II investigation for PCB and lead contamination of surficial soil and hydrocarbon contamination of subsurface soil of a property proposed for purchase.

- **Cal Energy Geothermal Plants, Calipatria, CA**

Conducted geotechnical investigation using CPT and hollow-stem auger methods for proposed geothermal power plant, mineral extraction facilities, and pipelines

- **EW Corporation Site, Westmorland, CA**

Conducted Phase II investigation for hydrocarbon contamination of subsurface soil of a service station site with leaking underground storage tanks prior to property purchase

- **Various Apartment Complexes, Imperial County, CA**

Conducted Phase I environmental investigation at numerous proposed apartment complex site within the Imperial Valley

GS Lyon

Jeffrey O. Lyon, PE
Principal Engineer

Education

B.S. Civil Engineering (Magna Cum Laude)
California Polytechnic University, Pomona Campus 1978

Technical Seminars

- Reinforced Masonry Design and Construction
  Joseph Amerheim, 1984
- Guidelines for Use and Interpretations of the Electric Cone Penetrometer
  Robertson and Campanella, 1986
- Laterally Loaded Piles
  Kleinfelder, Inc., 1986
- Floor Flatness and Levelness
  American Concrete Institute, 1989
- Designing with Geosynthetics
  Robert Koerner, 1989
- Flexible Pavement Design
  Asphalt Council of California, 1989
- Drilled Foundation Design and Construction
  ADSC, 1990

Registration

Registered Civil Engineer No. 31921, California
Registered Civil Engineer No. 16994, Arizona

Professional Experience

1987 - Present	Principal Engineer Southland Geotechnical, Inc.
1982 - 1987	Principal Engineer Lyon Engineers, Inc.
1978 - 1981	Partner/Senior Engineer Tesco Engineering
1974 - 1977	Survey Party Chief Tesco Engineering
1972 - 1973	Survey Party Chief Lyon & Associates

Summary of Experience

As Principal Engineer, Mr. Lyon is responsible for financial and technical management of all employees in Southland Geotechnical's four branch offices. Mr. Lyon has performed site investigations for residential subdivisions, geogrid-reinforced slopes, shopping centers, military airfields, roadways, administration and office buildings, elementary and high schools, goldmine mill processing facilities, hydro-electric plants, power transmission lines, electrical substations, co-generation power plants and geothermal power plants. He has provided design for drilled piers, driven piles, stone columns and floating (rigid) mats, and has performed seismic risk evaluations, ground shaking analyses, liquefaction studies and liquefaction induced settlements studies. Mr. Lyon has conducted Phase I and Phase II ESA's throughout the Imperial and Coachella Valleys for over 7 years. Mr. Lyon's experience also includes forensic investigations for foundation/structural distress to residential, commercial and educational facilities, and has performed pressure grout stabilization and lifting for distress remediation.

Selected Project Experience

- Management of materials quality assurance program for Drop I and EHL hydroelectric plants with 24 hour pile driving and large mass concrete structure on All American Canal, Imperial County, California
- Coordinator of dry utilities for Gateway of the Americas County Service Area since inception
- Designer of sewage treatment plant for Gateway of the Americas CSA
- Actively participates with county staff in forecasting costs for future development
- Geotechnical feasibility report, construction materials quality assurance program, and pile inspections for manure fired co-generation power plant on soft liquefiable soils for Western Power Group and Lurgi Engineers/Constructors, Imperial County, California
- Geotechnical report for DOE deep drilling program (10,000 sf) in lake bed sediments at the Salton Sea for Bechtel, Inc., Imperial County, California
- Geotechnical reports and quality assurance administration for six geothermal energy power plants requiring deep foundations (piles/stone columns) for Magma Power/California Energy in Imperial County, California
- Geotechnical report and construction materials quality assurance program for complete Southwest High School campus on expansive soils with high groundwater for Central Union High School District, El Centro, California

Professional Affiliations

American Society of Civil Engineers, Member
American Society of Testing Materials, Member
American Concrete Institute, Certified Examiner
Association of Professional Firms Practicing in the Geosciences, Member

APPENDIX B – LABORATORY ANALYTICAL REPORT

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Weston Solution, Inc. **1340 Treat Boulevard Suite 210** **Walnut Creek, CA 94597-**

Telephone: (925)948-2600
Attention: Ian Bruce

Number of Pages 53 **Date Received 09/12/2014** **Date Reported 09/29/2014**

Job Number	Order Date	Client
74356	09/12/2014	WSO

Project ID: 20074.063.501-1002
Project Name: City of El Centro
Site: 1402 Dogwood Road

Enclosed please find results of analyses of 1 water and 37 soil samples which were analyzed as specified on the attached chain of custody.

All results of soil samples are based on dry weight.

If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
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CHAIN OF CUSTODY RECORD

№ 88942

AETL JOB No. 74356

COMPANY	Weston Solutions, Inc
PROJECT MANAGER	Ian Bruce
COMPANY ADDRESS	1340 Treat Boulevard, Suite 210
PHONE	509-945-5547
FAX	
PROJECT NAME	Dogwood Road Site
PROJECT #	20074.063.501.1002
SITE NAME AND ADDRESS	1402 Dogwood Rd.
PO #	

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Metals 6010B/7471B	TPH-d ww 8015	TPH-g 8015B	BTEX 8021	TEST INSTRUCTIONS & COMMENTS
1	DR-SS-01	74356.01	9/11/14	1420	Soil	1		X	X			
2	DR-SS-02	74356.02		1425		1						
3	DR-SS-03	74356.03		1450		5				X	X	
4	DR-SS-04	74356.04		1410		1						
5	DR-SS-05	74356.05		1435		1						
6	DR-SS-06	74356.06		1500		1						
7	DR-SB-07A	74356.07		0830		1						
8	DR-SB-07B	74356.08		0835		1						
9	DR-SB-07C	74356.09		0840		1						
10	DR-SB-08A	74356.10		1045		5				X	X	
11	DR-SB-08B	74356.11		1055		5						
12	DR-SB-08C	74356.12		1100		5						
13	DR-SB-09A	74356.13		0915		5						
14	DR-SB-09B	74356.14		0920		5						
15	DR-SB-09C	74356.15		0936		5						

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	43	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____

	RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:			
Printed Name:	Jonathan Poirot		
Date:	9/12/14		
Time:	1020		

	RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: AETL 3.
Signature:			
Printed Name:			Regina Lavelle
Date:			9/12/14
Time:			1020

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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CHAIN OF CUSTODY RECORD

№ 88946

AETL JOB No. 74356

COMPANY	Weston Solutions, Inc
COMPANY ADDRESS	1304 Tower Boulevard, Suite 210
PROJECT NAME	Dogwood Road Site
SITE NAME AND ADDRESS	1402 Dogwood Rd
PROJECT MANAGER	Ian Brum
PHONE	509-345-5547
FAX	
PROJECT #	20074.063.501.1002
PO #	

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Metals	Tph dyno	Tph g	DTEX	ANALYSIS REQUESTED	TEST INSTRUCTIONS & COMMENTS
1	DR-SB-10A	74356.16	9/11/14	0950	Soil	1		X	X				
2	DR-SB-10B	74356.17		0955		1		X	X				
3	DR-SB-10C	74356.18		1000		1		X	X				
4	DR-SS-11	74356.19		1405		1		X	X				
5	DR-SB-12A	74356.20		1120		1		X	X				
6	DR-SB-12B	74356.21		1125		1		X	X				
7	DR-SB-12C	74356.22		1130		1		X	X				
8	DR-SS-13	74356.23				1		X	X				
9	DR-SB-14A	74356.24		1150		5		X	X	X	X		
10	DR-SB-14B	74356.25		1155		5		X	X	X	X		
11	~~DR-SB-14C~~			~~1200~~									
12	DR-SS-15	74356.26		1430		5		X	X	X	X		
13	DR-SS-16	74356.27		1240		1		X	X				
14	DR-SS-17	74356.28		1340		1		X	X				
15	DR-SS-18	74356.29		1345		1		X	X				

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	27	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Jonathan Colvard	Printed Name:	Printed Name:
Date: 9/12/14 Time: 1020	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Logan Lauder
Date: Time:	Date: Time:	Date: 9/12/14 Time: 1020

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

№ 88945

AETL JOB No. 74356

COMPANY: Weston Solutions, Inc
PROJECT MANAGER: Ian Brue
COMPANY ADDRESS: 1304 Texas Boulevard, Suite 210
PHONE: 509- 845-5547
FAX:
PROJECT NAME: Dogwood Road SCA
PROJECT #:
SITE NAME AND ADDRESS: 1402 Dogwood
PO #:

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	Metals	Tph diesel	TPH g	BTEX	ANALYSIS REQUESTED	TEST INSTRUCTIONS & COMMENTS
1	DR-SS-19	74356.30	9/11/14	1255	Soil	5		X	X	X	X		
2	DR-SS-20	74356.31		1325		3 1		X	X				
3	DR-SS-21	74356.32		1320		3 1		X	X				
4	DR-SS-22	74356.33		1305		3 1		X	X				
5	DR-SB-23	74356.34		1050		3 5		X	X				
6	DR-SB-24	74356.35		0925		5		X	X	X	X		
7	DR-SB-25	74356.36		1205		3 5		X	X				
8	DR-SS-26	74356.37		1300		5		X	X	X	X		
9	DR-SS-27	74356.38		1700	H_2O	5		X	X	X	X		
10													
11													
12													
13													
14													
15													

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	33	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY ☒ PDF ☐ GEOTRACKER (GLOBAL ID) _____ ☐ OTHER (PLEASE SPECIFY) _____

RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:	Signature:	Signature:
Printed Name: Sandra Colunga	Printed Name:	Printed Name:
Date: 9/12/14 Time: 1020	Date: Time:	Date: Time:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY LABORATORY: AETL 3.**
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name: Jean Claude
Date: Time:	Date: Time:	Date: 09/12/14 Time: 1020

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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Ordered By

Weston Solution, Inc.
1340 Treat Boulevard Suite 210
Walnut Creek, CA 94597-

Telephone: (925)948-2600
Attention: Ian Bruce

Project ID: 20074.063.501-1002
Date Received 09/12/2014
Date Reported 09/29/2014

Job Number	Order Date	Client
74356	09/12/2014	WSO

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 38 samples with the following specification on 09/12/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74356.38	DR-SS-27	09/11/2014	Aqueous	5

Method ^ Submethod	Req Date	Priority	TAT	Units
6010/7000CAM	09/19/2014	2	Normal	mg/L
8021B/M8015 ^ BTEX/GAS-1	09/19/2014	2	Normal	ug/L
M8015D ^ C13-C40-SG	09/19/2014	2	Normal	mg/L

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
74356.01	DR-SS-01	09/11/2014	Soil	1
74356.02	DR-SS-02	09/11/2014	Soil	1
74356.04	DR-SS-04	09/11/2014	Soil	1
74356.05	DR-SS-05	09/11/2014	Soil	1
74356.06	DR-SS-06	09/11/2014	Soil	1
74356.07	DR-SS-07A	09/11/2014	Soil	1
74356.08	DR-SS-07B	09/11/2014	Soil	1
74356.09	DR-SS-07C	09/11/2014	Soil	1
74356.16	DR-SS-10A	09/11/2014	Soil	1
74356.17	DR-SS-10B	09/11/2014	Soil	1
74356.18	DR-SS-10C	09/11/2014	Soil	1
74356.19	DR-SS-11	09/11/2014	Soil	1
74356.20	DR-SS-12A	09/11/2014	Soil	1
74356.21	DR-SS-12B	09/11/2014	Soil	1
74356.22	DR-SS-12C	09/11/2014	Soil	1
74356.23	DR-SS-13	09/11/2014	Soil	1
74356.27	DR-SS-16	09/11/2014	Soil	1
74356.28	DR-SS-17	09/11/2014	Soil	1
74356.29	DR-SS-18	09/11/2014	Soil	1

Continued

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Walnut Creek, CA 94597-

Telephone: (925)948-2600
Attention: Ian Bruce

Project ID: 20074.063.501-1002
Date Received 09/12/2014
Date Reported 09/29/2014

Job Number	Order Date	Client
74356	09/12/2014	WSO

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

74356.31	DR-SS-20	09/11/2014	Soil	1
74356.32	DR-SS-21	09/11/2014	Soil	1
74356.33	DR-SS-22	09/11/2014	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	09/19/2014	2	Normal	mg/Kg
(M8015D) ^ C13-C40	09/19/2014	2	Normal	mg/Kg
ASTM-D2216	09/19/2014	2	Normal	% wt

74356.03	DR-SS-03	09/11/2014	Soil	5
74356.10	DR-SS-08A	09/11/2014	Soil	5
74356.11	DR-SS-08B	09/11/2014	Soil	5
74356.12	DR-SS-08C	09/11/2014	Soil	5
74356.13	DR-SS-09A	09/11/2014	Soil	5
74356.14	DR-SS-09B	09/11/2014	Soil	5
74356.15	DR-SS-09C	09/11/2014	Soil	5
74356.24	DR-SS-14A	09/11/2014	Soil	5
74356.25	DR-SS-14B	09/11/2014	Soil	5
74356.26	DR-SS-15	09/11/2014	Soil	5
74356.30	DR-SS-19	09/11/2014	Soil	5
74356.34	DR-SB-23	09/11/2014	Soil	5
74356.35	DR-SB-24	09/11/2014	Soil	5
74356.36	DR-SB-25	09/11/2014	Soil	5
74356.37	DR-SS-26	09/11/2014	Soil	5

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B/7000CAM)	09/19/2014	2	Normal	mg/Kg
(8021B/M8015G) ^ BTEX/GAS-1	09/19/2014	2	Normal	ug/Kg
(M8015D) ^ C13-C40	09/19/2014	2	Normal	mg/Kg
ASTM-D2216	09/19/2014	2	Normal	% wt

Continued

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Attention: Ian Bruce

Project ID: 20074.063.501-1002
Date Received 09/12/2014
Date Reported 09/29/2014

Job Number	Order Date	Client
74356	09/12/2014	WSO

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
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ANALYTICAL RESULTS

Ordered By

Weston Solution, Inc.
1340 Treat Boulevard
Suite 210
Walnut Creek, CA 94597-

Telephone: (925)948-2600
Attn: Ian Bruce
Page: **2**

Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091514DB1

Our Lab I.D.			Method Blank	**74356.01**	**74356.02**	**74356.03**	**74356.04**
Client Sample I.D.				DR-SS-01	DR-SS-02	DR-SS-03	DR-SS-04
Date Sampled				09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/15/2014	09/15/2014	09/15/2014	09/15/2014	09/15/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			09/15/2014	09/15/2014	09/16/2014	09/16/2014	09/16/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	50.5	ND	222
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	1,190	8.65	324
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	1,250	8.65	545
Our Lab I.D.			Method Blank	**74356.01**	**74356.02**	**74356.03**	**74356.04**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		102	106	102	103	101

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ANALYTICAL RESULTS

Ordered By

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1340 Treat Boulevard
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Walnut Creek, CA 94597-

Telephone: (925)948-2600
Attn: Ian Bruce
Page: **3**

Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091514DB1

Our Lab I.D.			**74356.05**	**74356.06**	**74356.07**	**74356.08**	**74356.09**
Client Sample I.D.			DR-SS-05	DR-SS-06	DR-SS-07A	DR-SS-07B	DR-SS-07C
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/15/2014	09/15/2014	09/15/2014	09/15/2014	09/15/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			09/16/2014	09/15/2014	09/15/2014	09/16/2014	09/15/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	27.0	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	8.33	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	8.33	ND	ND	27.0	ND
Our Lab I.D.			**74356.05**	**74356.06**	**74356.07**	**74356.08**	**74356.09**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		103	105	107	101	106

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ANALYTICAL RESULTS

Ordered By

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Telephone: (925)948-2600
Attn: Ian Bruce
Page: **4**

Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091514DB1

Our Lab I.D.			**74356.10**	**74356.11**	**74356.12**	**74356.13**	**74356.14**
Client Sample I.D.			DR-SS-08A	DR-SS-08B	DR-SS-08C	DR-SS-09A	DR-SS-09B
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/15/2014	09/15/2014	09/15/2014	09/15/2014	09/15/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			09/15/2014	09/15/2014	09/16/2014	09/16/2014	09/16/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.			**74356.10**	**74356.11**	**74356.12**	**74356.13**	**74356.14**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		102	99.2	102	103	103

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ANALYTICAL RESULTS

Ordered By

Weston Solution, Inc.
1340 Treat Boulevard
Suite 210
Walnut Creek, CA 94597-

Telephone: (925)948-2600
Attn: Ian Bruce
Page: **5**

Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091514DB1

Our Lab I.D.			74356.15	74356.16	74356.17	74356.18	74356.19
Client Sample I.D.			DR-SS-09C	DR-SS-10A	DR-SS-10B	DR-SS-10C	DR-SS-11
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/15/2014	09/15/2014	09/15/2014	09/15/2014	09/15/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			09/16/2014	09/16/2014	09/16/2014	09/16/2014	09/16/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND	ND	ND
Our Lab I.D.			74356.15	74356.16	74356.17	74356.18	74356.19
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		97.5	100	101	101	99.8

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091514DB1

Our Lab I.D.			**74356.20**				
Client Sample I.D.			DR-SS-12A				
Date Sampled			09/11/2014				
Date Prepared			09/15/2014				
Preparation Method			3550B				
Date Analyzed			09/16/2014				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH as Diesel (C13-C22)	1.0	5.0	ND				
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND				
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND				
Our Lab I.D.			**74356.20**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Chlorobenzene	75-125		89.2				

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091714DB1

Our Lab I.D.			Method Blank	**74356.21**	**74356.22**	**74356.23**	**74356.24**
Client Sample I.D.				DR-SS-12B	DR-SS-12C	DR-SS-13	DR-SS-14A
Date Sampled				09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	485	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND	11.2	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	485	ND	11.2	ND
Our Lab I.D.			Method Blank	**74356.21**	**74356.22**	**74356.23**	**74356.24**
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Chlorobenzene	75-125		102	99.6	101	103	100

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091714DB1

Our Lab I.D.			74356.25	74356.26	74356.27	74356.28	74356.29
Client Sample I.D.			DR-SS-14B	DR-SS-15	DR-SS-16	DR-SS-17	DR-SS-18
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	127	ND	ND	17.5
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	1,380	ND	ND	89.3
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	1,510	ND	ND	107
Our Lab I.D.			74356.25	74356.26	74356.27	74356.28	74356.29
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		102	105	103	103	105

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091714DB1

Our Lab I.D.			74356.30	74356.31	74356.32	74356.33	74356.34
Client Sample I.D.			DR-SS-19	DR-SS-20	DR-SS-21	DR-SS-22	DR-SB-23
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	22.6	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	702	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	725	ND	ND
Our Lab I.D.			74356.30	74356.31	74356.32	74356.33	74356.34
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		105	104	103	104	102

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091714DB1

Our Lab I.D.			**74356.35**	**74356.36**	**74356.37**		
Client Sample I.D.			DR-SB-24	DR-SB-25	DR-SS-26		
Date Sampled			09/11/2014	09/11/2014	09/11/2014		
Date Prepared			09/17/2014	09/17/2014	09/17/2014		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			09/17/2014	09/18/2014	09/18/2014		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH as Diesel (C13-C22)	1.0	5.0	92.9	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	10.6		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	92.9	ND	10.6		
Our Lab I.D.			**74356.35**	**74356.36**	**74356.37**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Chlorobenzene	75-125		104	102	104		

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C1

Our Lab I.D.			Method Blank	74356.01	74356.02	74356.03	74356.04
Client Sample I.D.				DR-SS-01	DR-SS-02	DR-SS-03	DR-SS-04
Date Sampled				09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/24/2014	09/24/2014	09/24/2014	09/24/2014	09/24/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	6.46	4.70J	4.16J	3.89J
Barium	2.5	5.0	ND	247	150	153	168
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	15.2	13.1	12.0	16.0
Cobalt	2.5	5.0	ND	8.06	5.38	6.37	6.92
Copper	2.5	5.0	ND	19.6	13.0	13.2	21.4
Lead	2.5	5.0	ND	19.7	16.1	13.3	42.4
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	22.5	20.0	18.5	20.4
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	24.9	18.5	19.4	19.4
Zinc	2.5	5.0	ND	69.8	49.6	47.9	88.4

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C1

Our Lab I.D.			74356.05	74356.06	74356.07	74356.08	74356.09
Client Sample I.D.			DR-SS-05	DR-SS-06	DR-SS-07A	DR-SS-07B	DR-SS-07C
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/24/2014	09/24/2014	09/24/2014	09/24/2014	09/24/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	4.66J	4.99J	4.14J	2.97J	2.35J
Barium	2.5	5.0	179	171	158	118	92.5
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	13.2	13.4	12.2	10.8	4.42J
Cobalt	2.5	5.0	6.64	6.37	6.40	3.48J	ND
Copper	2.5	5.0	14.8	17.0	12.7	6.11	ND
Lead	2.5	5.0	15.7	14.5	8.63	4.11J	3.12J
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	17.1	16.3	15.0	12.8	4.94J
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	20.2	20.6	22.7	12.7	6.82
Zinc	2.5	5.0	54.9	67.9	41.0	20.7	14.5

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C1

Our Lab I.D.			74356.10	74356.11	74356.12	74356.13	74356.14
Client Sample I.D.			DR-SS-08A	DR-SS-08B	DR-SS-08C	DR-SS-09A	DR-SS-09B
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/24/2014	09/24/2014	09/24/2014	09/24/2014	09/24/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	5.33	3.41J	3.24J	5.26	3.42J
Barium	2.5	5.0	189	102	141	207	124
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	14.3	8.21	9.49	16.5	9.48
Cobalt	2.5	5.0	7.08	4.37J	4.47J	8.92	4.68J
Copper	2.5	5.0	16.0	8.96	8.35	19.9	9.16
Lead	2.5	5.0	12.1	6.78	6.65	12.3	7.47
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	16.8	9.62	11.1	20.2	10.5
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	22.8	14.9	16.4	27.6	15.2
Zinc	2.5	5.0	56.1	33.1	34.8	57.1	35.6

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C1

Our Lab I.D.			74356.15	74356.16	74356.17	74356.18	74356.19
Client Sample I.D.			DR-SS-09C	DR-SS-10A	DR-SS-10B	DR-SS-10C	DR-SS-11
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/24/2014	09/24/2014	09/24/2014	09/24/2014	09/24/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	5.16	1.15J	ND	4.00J	4.60J
Barium	2.5	5.0	185	156	168	284	156
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	10.3	7.62	8.16	11.0	12.3
Cobalt	2.5	5.0	5.34	3.79J	4.17J	5.41	6.00
Copper	2.5	5.0	9.90	7.12	7.66	10.3	14.7
Lead	2.5	5.0	8.06	4.82J	5.13	9.47	10.8
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	11.8	8.37	9.02	13.3	14.3
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	18.1	11.6	12.5	17.8	18.7
Zinc	2.5	5.0	41.9	33.3	36.0	43.5	54.5

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C2

Our Lab I.D.			Method Blank	74356.20	74356.21	74356.22	74356.23
Client Sample I.D.				DR-SS-12A	DR-SS-12B	DR-SS-12C	DR-SS-13
Date Sampled				09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/24/2014	09/24/2014	09/24/2014	09/24/2014	09/24/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	ND	4.57J	6.56	2.20J	1.37J
Barium	2.5	5.0	ND	196	95.4	80.4	179
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	ND	14.0	13.5	5.07	22.1
Cobalt	2.5	5.0	ND	7.41	6.13	3.40J	7.65
Copper	2.5	5.0	ND	16.3	14.8	3.99J	12.7
Lead	2.5	5.0	ND	14.6	15.5	4.89J	9.64
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	ND	17.6	15.3	6.35	41.1
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	ND	21.8	21.2	8.15	26.2
Zinc	2.5	5.0	ND	55.0	60.3	20.5	43.2

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C2

Our Lab I.D.			74356.24	74356.25	74356.26	74356.27	74356.28
Client Sample I.D.			DR-SS-14A	DR-SS-14B	DR-SS-15	DR-SS-16	DR-SS-17
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/24/2014	09/24/2014	09/24/2014	09/24/2014	09/24/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	5.54	5.42	4.28J	7.33	4.85J
Barium	2.5	5.0	205	213	160	169	182
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	15.2	15.1	12.6	13.2	16.2
Cobalt	2.5	5.0	7.72	6.87	5.71	6.21	6.31
Copper	2.5	5.0	17.2	15.9	14.0	14.0	13.9
Lead	2.5	5.0	18.9	19.8	21.7	17.8	40.5
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	17.8	17.1	15.4	15.0	14.9
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	23.3	23.9	19.0	21.9	21.2
Zinc	2.5	5.0	62.5	65.1	62.3	59.6	56.0

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Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C2

Our Lab I.D.			74356.29	74356.30	74356.31	74356.32	74356.33
Client Sample I.D.			DR-SS-18	DR-SS-19	DR-SS-20	DR-SS-21	DR-SS-22
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			09/24/2014	09/24/2014	09/24/2014	09/24/2014	09/24/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Antimony	1.0	5.0	ND	ND	ND	ND	ND
Arsenic	1.0	5.0	5.04	5.26	5.62	4.97J	4.91J
Barium	2.5	5.0	160	194	181	160	121
Beryllium	1.3	2.5	ND	ND	ND	ND	ND
Cadmium	1.3	2.5	ND	ND	ND	ND	ND
Chromium	2.5	5.0	12.8	16.3	12.8	12.5	11.4
Cobalt	2.5	5.0	5.78	6.13	6.02	5.64	5.47
Copper	2.5	5.0	13.4	17.5	14.1	17.3	12.1
Lead	2.5	5.0	19.5	40.8	19.4	26.0	15.6
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	ND
Molybdenum	2.5	5.0	ND	ND	ND	ND	ND
Nickel	2.5	5.0	14.0	16.4	14.6	13.8	12.7
Selenium	1.0	5.0	ND	ND	ND	ND	ND
Silver	2.5	5.0	ND	ND	ND	ND	ND
Thallium	1.0	5.0	ND	ND	ND	ND	ND
Vanadium	2.5	5.0	20.4	19.9	20.9	20.0	18.6
Zinc	2.5	5.0	63.9	75.1	60.8	71.8	51.4

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C2

Our Lab I.D.			74356.34	74356.35	74356.36	74356.37	
Client Sample I.D.			DR-SB-23	DR-SB-24	DR-SB-25	DR-SS-26	
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			09/24/2014	09/24/2014	09/24/2014	09/24/2014	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Antimony	1.0	5.0	ND	ND	ND	ND	
Arsenic	1.0	5.0	4.25J	1.61J	5.47	4.59J	
Barium	2.5	5.0	182	97.1	197	151	
Beryllium	1.3	2.5	ND	ND	ND	ND	
Cadmium	1.3	2.5	ND	ND	ND	ND	
Chromium	2.5	5.0	12.8	7.53	14.6	11.8	
Cobalt	2.5	5.0	6.20	3.62J	6.84	5.51	
Copper	2.5	5.0	12.5	6.67	15.5	12.4	
Lead	2.5	5.0	18.4	8.75	19.2	23.0	
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND	ND	
Molybdenum	2.5	5.0	ND	ND	ND	ND	
Nickel	2.5	5.0	14.7	8.28	16.0	12.7	
Selenium	1.0	5.0	ND	ND	ND	ND	
Silver	2.5	5.0	ND	ND	ND	ND	
Thallium	1.0	5.0	ND	ND	ND	ND	
Vanadium	2.5	5.0	19.9	12.4	23.9	19.5	
Zinc	2.5	5.0	55.8	31.2	63.8	61.2	

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-1

Our Lab I.D.			Method Blank	74356.01	74356.02	74356.03	74356.04
Client Sample I.D.				DR-SS-01	DR-SS-02	DR-SS-03	DR-SS-04
Date Sampled				09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216
Date Analyzed			09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			% wt	% wt	% wt	% wt	% wt
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Moisture Content	0.1	0.1	ND	13.9	3.60	6.90	10.7

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-1

Our Lab I.D.			74356.05	74356.06	74356.07	74356.08	74356.09
Client Sample I.D.			DR-SS-05	DR-SS-06	DR-SS-07A	DR-SS-07B	DR-SS-07C
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216
Date Analyzed			09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			% wt	% wt	% wt	% wt	% wt
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Moisture Content	0.1	0.1	3.10	18.8	10.4	18.2	18.6

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-1

Our Lab I.D.			74356.10	74356.11	74356.12	74356.13	74356.14
Client Sample I.D.			DR-SS-08A	DR-SS-08B	DR-SS-08C	DR-SS-09A	DR-SS-09B
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216
Date Analyzed			09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			% wt	% wt	% wt	% wt	% wt
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Moisture Content	0.1	0.1	16.2	17.4	21.2	21.6	19.9

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-1

Our Lab I.D.			74356.15				
Client Sample I.D.			DR-SS-09C				
Date Sampled			09/11/2014				
Date Prepared			09/17/2014				
Preparation Method			ASTM-D2216				
Date Analyzed			09/18/2014				
Matrix			Soil				
Units			% wt				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Moisture Content	0.1	0.1	23.8				

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-2

Our Lab I.D.			Method Blank	74356.16	74356.17	74356.18	74356.19
Client Sample I.D.				DR-SS-10A	DR-SS-10B	DR-SS-10C	DR-SS-11
Date Sampled				09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216
Date Analyzed			09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			% wt	% wt	% wt	% wt	% wt
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Moisture Content	0.1	0.1	ND	11.4	18.5	26.5	16.9

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-2

Our Lab I.D.			74356.20	74356.21	74356.22	74356.23	74356.24
Client Sample I.D.			DR-SS-12A	DR-SS-12B	DR-SS-12C	DR-SS-13	DR-SS-14A
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216
Date Analyzed			09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			% wt	% wt	% wt	% wt	% wt
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Moisture Content	0.1	0.1	12.3	21.7	20.5	4.10	16.3

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-2

Our Lab I.D.			74356.25	74356.26	74356.27	74356.28	74356.29
Client Sample I.D.			DR-SS-14B	DR-SS-15	DR-SS-16	DR-SS-17	DR-SS-18
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216
Date Analyzed			09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			% wt	% wt	% wt	% wt	% wt
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Moisture Content	0.1	0.1	20.1	11.6	15.6	11.6	8.32

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-2

Our Lab I.D.			74356.30				
Client Sample I.D.			DR-SS-19				
Date Sampled			09/11/2014				
Date Prepared			09/17/2014				
Preparation Method			ASTM-D2216				
Date Analyzed			09/18/2014				
Matrix			Soil				
Units			% wt				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Moisture Content	0.1	0.1	16.0				

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Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-3

Our Lab I.D.			Method Blank	74356.31	74356.32	74356.33	74356.34
Client Sample I.D.				DR-SS-20	DR-SS-21	DR-SS-22	DR-SB-23
Date Sampled				09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/17/2014	09/17/2014	09/17/2014	09/17/2014	09/17/2014
Preparation Method			ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216	ASTM-D2216
Date Analyzed			09/18/2014	09/18/2014	09/18/2014	09/18/2014	09/18/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			% wt	% wt	% wt	% wt	% wt
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Moisture Content	0.1	0.1	ND	8.70	9.30	14.2	14.9

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-3

Our Lab I.D.			74356.35	74356.36	74356.37		
Client Sample I.D.			DR-SB-24	DR-SB-25	DR-SS-26		
Date Sampled			09/11/2014	09/11/2014	09/11/2014		
Date Prepared			09/17/2014	09/17/2014	09/17/2014		
Preparation Method			ASTM-D2216	ASTM-D2216	ASTM-D2216		
Date Analyzed			09/18/2014	09/18/2014	09/18/2014		
Matrix			Soil	Soil	Soil		
Units			% wt	% wt	% wt		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Moisture Content	0.1	0.1	19.8	18.7	12.7		

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (8021B/M8015G), Aromatic Volatiles and TPH as Gasoline Using GC

QC Batch No: 091514OB1

Our Lab I.D.			Method Blank	**74356.03**	**74356.10**		
Client Sample I.D.				DR-SS-03	DR-SS-08A		
Date Sampled				09/11/2014	09/11/2014		
Date Prepared			09/15/2014	09/15/2014	09/15/2014		
Preparation Method			5030	5035A	5035A		
Date Analyzed			09/15/2014	09/15/2014	09/15/2014		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Benzene	2.5	5.0	ND	ND	ND		
Ethylbenzene	2.5	5.0	ND	ND	ND		
Toluene (Methyl benzene)	2.5	5.0	ND	ND	ND		
Xylenes (Total)	5.0	10.0	ND	ND	ND		
TPH as Gasoline and Light HC. (C4-C12)	500	1000	ND	ND	ND		
Our Lab I.D.			Method Blank	**74356.03**	**74356.10**		
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Bromofluorobenzene	75-125		104	101	103		
Trifluorotoluene	75-125		93.8	90.8	88.4		

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (8021B/M8015G), Aromatic Volatiles and TPH as Gasoline Using GC

QC Batch No: 091714OB1

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			09/17/2014				
Preparation Method			5030				
Date Analyzed			09/17/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Benzene	2.5	5.0	ND				
Ethylbenzene	2.5	5.0	ND				
Toluene (Methyl benzene)	2.5	5.0	ND				
Xylenes (Total)	5.0	10.0	ND				
TPH as Gasoline and Light HC. (C4-C12)	500	1000	ND				
Our Lab I.D.			Method Blank				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		84.2				
Trifluorotoluene	75-125		92.6				

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Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (8021B/M8015G), Aromatic Volatiles and TPH as Gasoline Using GC

QC Batch No: 091714OB1

Our Lab I.D.			**74356.11**				
Client Sample I.D.			DR-SS-08B				
Date Sampled			09/11/2014				
Date Prepared			09/17/2014				
Preparation Method			5030				
Date Analyzed			09/17/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Benzene	5	10	ND				
Ethylbenzene	5	10	12.0				
Toluene (Methyl benzene)	5	10	ND				
Xylenes (Total)	10	20	12.1J				
TPH as Gasoline and Light HC. (C4-C12)	1000	2000	1,840J				
Our Lab I.D.			**74356.11**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		120				
Trifluorotoluene	75-125		93.0				

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (8021B/M8015G), Aromatic Volatiles and TPH as Gasoline Using GC

QC Batch No: 091714OB1

Our Lab I.D.			**74356.12**				
Client Sample I.D.			DR-SS-08C				
Date Sampled			09/11/2014				
Date Prepared			09/17/2014				
Preparation Method			5035A				
Date Analyzed			09/17/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Benzene	2.5	5.0	ND				
Ethylbenzene	2.5	5.0	ND				
Toluene (Methyl benzene)	2.5	5.0	ND				
Xylenes (Total)	5.0	10.0	ND				
TPH as Gasoline and Light HC. (C4-C12)	500	1000	ND				
Our Lab I.D.			**74356.12**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		92.6				
Trifluorotoluene	75-125		93.0				

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (8021B/M8015G), Aromatic Volatiles and TPH as Gasoline Using GC

QC Batch No: 091514OB1

Our Lab I.D.			74356.13	74356.14	74356.15	74356.24	74356.25
Client Sample I.D.			DR-SS-09A	DR-SS-09B	DR-SS-09C	DR-SS-14A	DR-SS-14B
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/15/2014	09/15/2014	09/15/2014	09/15/2014	09/15/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			09/15/2014	09/15/2014	09/15/2014	09/15/2014	09/15/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Benzene	2.5	5.0	ND	ND	ND	ND	ND
Ethylbenzene	2.5	5.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.5	5.0	ND	ND	ND	ND	ND
Xylenes (Total)	5.0	10.0	ND	ND	ND	ND	ND
TPH as Gasoline and Light HC. (C4-C12)	500	1000	ND	ND	ND	ND	ND
Our Lab I.D.			74356.13	74356.14	74356.15	74356.24	74356.25
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		105	97.0	106	105	107
Trifluorotoluene	75-125		90.4	90.8	90.0	89.8	89.8

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (8021B/M8015G), Aromatic Volatiles and TPH as Gasoline Using GC

QC Batch No: 091514OB1

Our Lab I.D.			74356.26	74356.30	74356.34	74356.35	74356.36
Client Sample I.D.			DR-SS-15	DR-SS-19	DR-SB-23	DR-SB-24	DR-SB-25
Date Sampled			09/11/2014	09/11/2014	09/11/2014	09/11/2014	09/11/2014
Date Prepared			09/15/2014	09/15/2014	09/15/2014	09/15/2014	09/15/2014
Preparation Method			5035A	5035A	5035A	5035A	5035A
Date Analyzed			09/15/2014	09/15/2014	09/15/2014	09/15/2014	09/15/2014
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Benzene	2.5	5.0	ND	ND	ND	ND	ND
Ethylbenzene	2.5	5.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.5	5.0	ND	ND	ND	ND	ND
Xylenes (Total)	5.0	10.0	ND	ND	ND	ND	ND
TPH as Gasoline and Light HC. (C4-C12)	500	1000	ND	ND	ND	ND	ND
Our Lab I.D.			74356.26	74356.30	74356.34	74356.35	74356.36
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Bromofluorobenzene	75-125		102	103	102	106	104
Trifluorotoluene	75-125		89.0	89.0	87.4	90.0	89.2

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Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (8021B/M8015G), Aromatic Volatiles and TPH as Gasoline Using GC

QC Batch No: 091514OB1

Our Lab I.D.			**74356.37**				
Client Sample I.D.			DR-SS-26				
Date Sampled			09/11/2014				
Date Prepared			09/15/2014				
Preparation Method			5035A				
Date Analyzed			09/15/2014				
Matrix			Soil				
Units			ug/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Benzene	2.5	5.0	ND				
Ethylbenzene	2.5	5.0	ND				
Toluene (Methyl benzene)	2.5	5.0	ND				
Xylenes (Total)	5.0	10.0	ND				
TPH as Gasoline and Light HC. (C4-C12)	500	1000	ND				
Our Lab I.D.			**74356.37**				
Surrogates	**%Rec.Limit**		**% Rec.**				
Bromofluorobenzene	75-125		102				
Trifluorotoluene	75-125		89.4				

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: 8021B/M8015, Aromatic Volatiles ,TPH Gasoline and Light HC. Using GC

QC Batch No: 091514NB1

Our Lab I.D.			Method Blank	**74356.38**			
Client Sample I.D.				DR-SS-27			
Date Sampled				09/11/2014			
Date Prepared			09/15/2014	09/15/2014			
Preparation Method			5030B	5030B			
Date Analyzed			09/15/2014	09/15/2014			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Benzene	0.25	0.50	ND	ND			
Ethylbenzene	0.25	0.50	ND	ND			
Toluene (Methyl benzene)	0.25	0.50	ND	ND			
Xylenes (Total)	0.25	0.50	ND	ND			
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	ND			
Our Lab I.D.			Method Blank	**74356.38**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		91.8	95.8			
Trifluorotoluene	75-125		122	103			

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1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: M8015D, Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091714DB1

Our Lab I.D.			Method Blank	**74356.38**			
Client Sample I.D.				DR-SS-27			
Date Sampled				09/11/2014			
Date Prepared			09/17/2014	09/17/2014			
Preparation Method			3510C	3510C			
Date Analyzed			09/18/2014	09/18/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	0.1	0.5	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	0.1	0.5	ND	ND			
TPH Total as Diesel and Heavy HC.C13-C40	0.1	0.5	ND	ND			
Our Lab I.D.			Method Blank	**74356.38**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	60-125		73.5	71.0			

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Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0924141C1

Our Lab I.D.			Method Blank	74356.38			
Client Sample I.D.				DR-SS-27			
Date Sampled				09/11/2014			
Date Prepared			09/24/2014	09/24/2014			
Preparation Method			3005A	3005A			
Date Analyzed			09/24/2014	09/24/2014			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	0.05	0.10	ND	ND			
Arsenic	0.05	0.10	ND	ND			
Barium	0.03	0.05	ND	ND			
Beryllium	0.01	0.05	ND	ND			
Cadmium	0.01	0.05	ND	ND			
Chromium	0.01	0.05	ND	ND			
Cobalt	0.01	0.05	ND	ND			
Copper	0.01	0.05	ND	ND			
Lead	0.05	0.10	ND	ND			
Mercury (By EPA 7470)	0.001	0.002	ND	ND			
Molybdenum	0.01	0.05	ND	ND			
Nickel	0.01	0.05	ND	ND			
Selenium	0.05	0.10	ND	ND			
Silver	0.01	0.05	ND	ND			
Thallium	0.05	0.10	ND	ND			
Vanadium	0.03	0.05	ND	ND			
Zinc	0.01	0.05	ND	ND			

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QUALITY CONTROL RESULTS

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Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0924141C1; Dup or Spiked Sample: 74356.38; LCS: Clean Water; QC Prepared: 09/24/2014; QC Analyzed: 09/24/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	0.0100	0.0100	104	0.0100	0.0102	102	1.94	75-125	<15
Arsenic	0.00	0.0100	0.00668M	66.8	0.0100	0.00661M	66.1	1.05	75-125	<15
Barium	0.00	0.0100	0.00789	78.9	0.0100	0.00811	81.1	2.75	75-125	<15
Beryllium	0.00	0.0100	0.00811	81.1	0.0100	0.00830	83.0	2.32	75-125	<15
Cadmium	0.00	0.0100	0.0103	103	0.0100	0.0102	102	<1	75-125	<15
Chromium	0.00	0.0100	0.0135M	135	0.0100	0.0140M	140	3.64	75-125	<15
Cobalt	0.00	0.0100	0.00832	83.2	0.0100	0.00839	83.9	<1	75-125	<15
Copper	0.00	0.0100	0.00885	88.5	0.0100	0.00885	88.5	<1	75-125	<15
Lead	0.00	0.0100	0.0133M	133	0.0100	0.0132M	132	<1	75-125	<15
Mercury (By EPA 7470)	0.00	0.0100	0.00982	98.2	0.0100	0.0102	102	3.8	75-125	<15
Molybdenum	0.00	0.0100	0.00941	94.1	0.0100	0.00932	93.2	<1	75-125	<15
Nickel	0.00	0.0100	0.00833	83.3	0.0100	0.00816	81.6	2.06	75-125	<15
Selenium	0.00	0.0100	0.00829	82.9	0.0100	0.00773	77.3	6.99	75-125	<15
Silver	0.00	0.0100	0.00969	96.9	0.0100	0.00966	96.6	<1	75-125	<15
Thallium	0.00	0.0100	0.0119	119	0.0100	0.0121	121	1.67	75-125	<15
Vanadium	0.00	0.0100	0.0298M	298	0.0100	0.0331M	331	10.5	75-125	<15
Zinc	0.00	0.0100	0.0151M	151	0.0100	0.0151M	151	<1	75-125	<15

QC Batch No: 0924141C1; Dup or Spiked Sample: 74356.38; LCS: Clean Water; QC Prepared: 09/24/2014; QC Analyzed: 09/24/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	0.0100	0.00974	97.4	0.0100	0.00985	98.5	1.12	75-125	<15	
Arsenic	0.0100	0.0100	100	0.0100	0.00996	99.6	<1	75-125	<15	
Barium	0.0100	0.00839	83.9	0.0100	0.00839	83.9	<1	75-125	<15	
Beryllium	0.0100	0.00896	89.6	0.0100	0.00930	93.0	3.72	75-125	<15	
Cadmium	0.0100	0.00907	90.7	0.0100	0.00905	90.5	<1	75-125	<15	
Chromium	0.0100	0.00961	96.1	0.0100	0.00971	97.1	1.04	75-125	<15	
Cobalt	0.0100	0.00947	94.7	0.0100	0.00957	95.7	1.05	75-125	<15	
Copper	0.0100	0.00904	90.4	0.0100	0.00921	92.1	1.86	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: 6010/7000CAM, Title 22 Metals (SW-846)

QC Batch No: 0924141C1; Dup or Spiked Sample: 74356.38; LCS: Clean Water; QC Prepared: 09/24/2014; QC Analyzed: 09/24/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	0.0100	0.00847	84.7	0.0100	0.00968	96.8	13.3	75-125	<15	
Mercury (By EPA 7470)	0.0100	0.0105	105	0.0100	0.0105	105	<1	75-125	<15	
Molybdenum	0.0100	0.00975	97.5	0.0100	0.00999	99.9	2.43	75-125	<15	
Nickel	0.0100	0.00958	95.8	0.0100	0.00953	95.3	<1	75-125	<15	
Selenium	0.0100	0.0103	103	0.0100	0.0105	105	1.92	75-125	<15	
Silver	0.0100	0.00869	86.9	0.0100	0.00891	89.1	2.50	75-125	<15	
Thallium	0.0100	0.00766	76.6	0.0100	0.0121	121	44.9	75-125	<15	
Vanadium	0.0100	0.00937	93.7	0.0100	0.00968	96.8	3.25	75-125	<15	
Zinc	0.0100	0.00978	97.8	0.0100	0.00942	94.2	3.75	75-125	<15	

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Site

1402 Dogwood Road

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Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: 8021B/M8015, Aromatic Volatiles ,TPH Gasoline and Light HC. Using GC

QC Batch No: 091514NB1; Dup or Spiked Sample: B091514NB1; LCS: Clean Water; QC Prepared: 09/15/2014;MS Analyzed: 09/16/2014; LCS Analyzed: 09/15/2014; Units: ug/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	58.5	117	50.0	57.0	114	2.6	75-125	<20
Ethylbenzene	0.00	50.0	57.0	114	50.0	50.0	100	13.1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	59.5	119	50.0	52.0	104	13.5	75-125	<20
LCS										
o-Xylene	0.00	50.0	60.5	121	50.0	54.5	109	10.4	75-125	<20
m,p-Xylenes	0.00	100	107	107	100	93.5	93.5	13.5	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	51.0	102	50.0	47.9	95.8	6.08	75-125	<20
Trifluorotoluene	0.00	50.0	47.3	94.6	50.0	45.5	91.0	3.9	75-125	<20

QC Batch No: 091514NB1; Dup or Spiked Sample: B091514NB1; LCS: Clean Water; QC Prepared: 09/15/2014;MS Analyzed: 09/16/2014; LCS Analyzed: 09/15/2014; Units: ug/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	55.5	111	75-125						
Ethylbenzene	50.0	53.0	106	75-125						
Toluene (Methyl benzene)	50.0	56.0	112	75-125						
LCS										
o-Xylene	50.0	58.5	117	75-125						
m,p-Xylenes	100	98.9	98.9	75-125						
Surrogates										
Bromofluorobenzene	50.0	44.3	88.6	75-125						
Trifluorotoluene	50.0	55.5	111	75-125						

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Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: M8015D, Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091714DB1; Dup or Spiked Sample: 0917; LCS: Clean Water; QC Prepared: 09/17/2014; QC Analyzed: 09/18/2014; Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	5.00	5.35	107	5.00	5.23	105	1.89	75-125	<20
Surrogates										
Chlorobenzene	0.00	2.00	1.98	99.0	2.00	2.03	102	3.03	60-125	<20

QC Batch No: 091714DB1; Dup or Spiked Sample: 0917; LCS: Clean Water; QC Prepared: 09/17/2014; QC Analyzed: 09/18/2014; Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	5.00	5.37	107	75-125						
Surrogates										
Chlorobenzene	2.00	2.04	102	60-125						

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Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C1; Dup or Spiked Sample: 74356.02; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/24/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	10.0	9.42	94.2	10.0	9.14	91.4	3.02	75-125	<15
Arsenic	4.53	10.0	13.3	87.7	10.0	12.9	83.7	4.67	75-125	<15
Barium	145	10.0	154	90.0	10.0	152 M	70.0	25.0	75-125	<15
Beryllium	0.00	10.0	9.18	91.8	10.0	9.10	91.0	<1	75-125	<15
Cadmium	0.00	10.0	9.84	98.4	10.0	9.60	96.0	2.47	75-125	<15
Chromium	12.6	10.0	21.9	93.0	10.0	20.5	79.0	16.3	75-125	<15
Cobalt	5.19	10.0	14.5	93.1	10.0	13.6	84.1	10.2	75-125	<15
Copper	12.5	10.0	21.2	87.0	10.0	20.4	79.0	9.64	75-125	<15
Lead	15.5	10.0	24.3	88.0	10.0	24.7	92.0	4.44	75-125	<15
Mercury (By EPA 7471)	0.0480	0.500	0.603	111	0.500	0.608	112	<1	75-125	<15
Molybdenum	0.00	10.0	9.37	93.7	10.0	9.25	92.5	1.29	75-125	<15
Nickel	19.3	10.0	28.9	96.0	10.0	27.4	81.0	16.9	75-125	<15
Selenium	0.00	10.0	8.38	83.8	10.0	8.27	82.7	1.32	75-125	<15
Silver	0.00	10.0	8.85	88.5	10.0	8.83	88.3	<1	75-125	<15
Thallium	0.00	10.0	8.03	80.3	10.0	7.98	79.8	<1	75-125	<15
Vanadium	17.8	10.0	27.2	94.0	10.0	26.4	86.0	8.89	75-125	<15
Zinc	47.8	10.0	58.9	111	10.0	56.8	90.0	20.9	75-125	<15

QC Batch No: 0917141C1; Dup or Spiked Sample: 74356.02; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/24/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	10.0	9.30	93.0	10.0	9.22	92.2	<1	75-125	<15	
Arsenic	10.0	9.84	98.4	10.0	9.78	97.8	<1	75-125	<15	
Barium	10.0	9.28	92.8	10.0	9.39	93.9	1.18	75-125	<15	
Beryllium	10.0	10.0	100	10.0	10.0	100	<1	75-125	<15	
Cadmium	10.0	9.62	96.2	10.0	9.43	94.3	1.99	75-125	<15	
Chromium	10.0	9.98	99.8	10.0	9.69	96.9	2.95	75-125	<15	
Cobalt	10.0	10.1	101	10.0	9.71	97.1	3.94	75-125	<15	
Copper	10.0	9.88	98.8	10.0	9.79	97.9	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C1; Dup or Spiked Sample: 74356.02; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/24/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	9.30	93.0	10.0	9.05	90.5	2.72	75-125	<15	
Mercury (By EPA 7471)	0.500	0.570	114	0.500	0.580	116	1.7	75-125	<15	
Molybdenum	10.0	9.01	90.1	10.0	8.96	89.6	<1	75-125	<15	
Nickel	10.0	9.90	99.0	10.0	9.84	98.4	<1	75-125	<15	
Selenium	10.0	9.50	95.0	10.0	9.31	93.1	2.02	75-125	<15	
Silver	10.0	9.37	93.7	10.0	9.18	91.8	2.05	75-125	<15	
Thallium	10.0	8.26	82.6	10.0	8.28	82.8	<1	75-125	<15	
Vanadium	10.0	9.72	97.2	10.0	9.61	96.1	1.14	75-125	<15	
Zinc	10.0	9.41	94.1	10.0	9.18	91.8	2.47	75-125	<15	

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QUALITY CONTROL RESULTS

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Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C2; Dup or Spiked Sample: 74356.20; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/24/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	10.0	9.09	90.9	10.0	8.82	88.2	3.02	75-125	<15
Arsenic	4.01	10.0	12.8	87.9	10.0	12.4	83.9	4.66	75-125	<15
Barium	172	10.0	232 M	600	10.0	181	90.0	147.8	75-125	<15
Beryllium	0.00	10.0	8.84	88.4	10.0	8.53	85.3	3.57	75-125	<15
Cadmium	0.00	10.0	9.27	92.7	10.0	9.09	90.9	1.96	75-125	<15
Chromium	12.3	10.0	21.6	93.0	10.0	20.9	86.0	7.82	75-125	<15
Cobalt	6.50	10.0	14.6	81.0	10.0	14.4	79.0	2.50	75-125	<15
Copper	14.3	10.0	21.4 M	71.0	10.0	21.2 M	69.0	2.86	75-125	<15
Lead	12.8	10.0	23.3	105	10.0	26.0 M	132	22.8	75-125	<15
Mercury (By EPA 7471)	0.0340	0.500	0.584	110	0.500	0.589	111	<1	75-125	<15
Molybdenum	0.00	10.0	8.70	87.0	10.0	8.56	85.6	1.62	75-125	<15
Nickel	15.4	10.0	23.6	82.0	10.0	23.3	79.0	3.73	75-125	<15
Selenium	0.00	10.0	8.05	80.5	10.0	7.95	79.5	1.25	75-125	<15
Silver	0.00	10.0	8.20	82.0	10.0	8.12	81.2	<1	75-125	<15
Thallium	0.00	10.0	8.70	87.0	10.0	10.0	100	13.9	75-125	<15
Vanadium	19.1	10.0	29.4	103	10.0	28.1	90.0	13.5	75-125	<15
Zinc	48.2	10.0	59.9	117	10.0	58.8	106	9.87	75-125	<15

QC Batch No: 0917141C2; Dup or Spiked Sample: 74356.20; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/24/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Antimony	10.0	9.23	92.3	10.0	9.13	91.3	1.09	75-125	<15	
Arsenic	10.0	9.61	96.1	10.0	9.55	95.5	<1	75-125	<15	
Barium	10.0	8.88	88.8	10.0	8.90	89.0	<1	75-125	<15	
Beryllium	10.0	9.32	93.2	10.0	9.56	95.6	2.54	75-125	<15	
Cadmium	10.0	9.35	93.5	10.0	9.20	92.0	1.62	75-125	<15	
Chromium	10.0	9.60	96.0	10.0	9.57	95.7	<1	75-125	<15	
Cobalt	10.0	9.78	97.8	10.0	9.78	97.8	<1	75-125	<15	
Copper	10.0	9.49	94.9	10.0	9.43	94.3	<1	75-125	<15	

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QUALITY CONTROL RESULTS

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0917141C2; Dup or Spiked Sample: 74356.20; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/24/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	10.0	8.78	87.8	10.0	10.0	100	13.0	75-125	<15	
Mercury (By EPA 7471)	0.500	0.600	120	0.500	0.605	121	<1	75-125	<15	
Molybdenum	10.0	8.95	89.5	10.0	8.85	88.5	1.12	75-125	<15	
Nickel	10.0	9.53	95.3	10.0	9.65	96.5	1.25	75-125	<15	
Selenium	10.0	8.96	89.6	10.0	9.16	91.6	2.21	75-125	<15	
Silver	10.0	9.03	90.3	10.0	9.08	90.8	<1	75-125	<15	
Thallium	10.0	7.89	78.9	10.0	9.19	91.9	15.2	75-125	<15	
Vanadium	10.0	9.49	94.9	10.0	9.41	94.1	<1	75-125	<15	
Zinc	10.0	9.95	99.5	10.0	9.63	96.3	3.27	75-125	<15	

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Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (8021B/M8015G), Aromatic Volatiles and TPH as Gasoline Using GC

QC Batch No: 091514OB1; Dup or Spiked Sample: 74356.37AGA; LCS: Clean Sand; QC Prepared: 09/15/2014;MS Analyzed: 09/16/2014; LCS Analyzed: 09/15/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	41.1	82.2	50.0	40.8	81.6	<1	75-125	<20
Ethylbenzene	0.00	50.0	41.3	82.6	50.0	40.9	81.8	<1	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	42.1	84.2	50.0	41.7	83.4	<1	75-125	<20
o-Xylene	0.00	50.0	44.2	88.4	50.0	43.7	87.4	1.1	75-125	<20
m,p-Xylenes	0.00	100	81.0	81.0	100	80.3	80.3	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.3	90.6	50.0	44.5	89.0	1.77	75-125	<20
Trifluorotoluene	0.00	50.0	45.6	91.2	50.0	45.3	90.6	<1	75-125	<20

QC Batch No: 091514OB1; Dup or Spiked Sample: 74356.37AGA; LCS: Clean Sand; QC Prepared: 09/15/2014;MS Analyzed: 09/16/2014; LCS Analyzed: 09/15/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	42.1	84.2	75-125						
Ethylbenzene	50.0	43.6	87.2	75-125						
Toluene (Methyl benzene)	50.0	44.4	88.8	75-125						
o-Xylene	50.0	46.7	93.4	75-125						
m,p-Xylenes	100	84.2	84.2	75-125						
Surrogates										
Bromofluorobenzene	50.0	47.7	95.4	75-125						
Trifluorotoluene	50.0	45.4	90.8	75-125						

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QUALITY CONTROL RESULTS

Ordered By

Weston Solution, Inc.
1340 Treat Boulevard
Suite 210
Walnut Creek, CA 94597-

Telephone: (925)948-2600
Attn: Ian Bruce
Page: **48**

Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (8021B/M8015G), Aromatic Volatiles and TPH as Gasoline Using GC

QC Batch No: 091714OB1; Dup or Spiked Sample: 74401.01AGA; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/17/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	42.6	85.2	50.0	43.2	86.4	1.4	75-125	<20
Ethylbenzene	0.00	50.0	43.2	86.4	50.0	41.8	83.6	3.3	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	43.9	87.8	50.0	42.6	85.2	3.0	75-125	<20
o-Xylene	0.00	50.0	49.1	98.2	50.0	45.6	91.2	7.4	75-125	<20
m,p-Xylenes	0.00	100	85.8	85.8	100	82.5	82.5	3.9	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	45.6	91.2	50.0	45.1	90.2	1.10	75-125	<20
Trifluorotoluene	0.00	50.0	48.5	97.0	50.0	48.3	96.6	<1	75-125	<20

QC Batch No: 091714OB1; Dup or Spiked Sample: 74401.01AGA; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/17/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	41.9	83.8	75-125						
Ethylbenzene	50.0	42.7	85.4	75-125						
Toluene (Methyl benzene)	50.0	41.7	83.4	75-125						
o-Xylene	50.0	54.0	108	75-125						
m,p-Xylenes	100	84.5	84.5	75-125						
Surrogates										
Bromofluorobenzene	50.0	42.6	85.2	75-125						
Trifluorotoluene	50.0	47.4	94.8	75-125						

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Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091514DB1; Dup or Spiked Sample: 74356.01; LCS: Clean Sand; QC Prepared: 09/15/2014; QC Analyzed: 09/15/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	546	109	500	543	109	<1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	95.0	95.0	100	95.8	95.8	<1	75-125	<20

QC Batch No: 091514DB1; Dup or Spiked Sample: 74356.01; LCS: Clean Sand; QC Prepared: 09/15/2014; QC Analyzed: 09/15/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	546	109	500	525	105	3.74	75-125	<20	
Surrogates										
Chlorobenzene	100	95.4	95.4	100	95.8	95.8	<1	75-125	<20	

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Page: **50**

Site

1402 Dogwood Road

Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: (M8015D), Silica Gel Treated TPH as Diesel and Heavy Hydrocarbons

QC Batch No: 091714DB1; Dup or Spiked Sample: 74356.24; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/17/2014; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	543	109	500	523	105	3.74	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	95.1	95.1	100	93.9	93.9	1.26	75-125	<20

QC Batch No: 091714DB1; Dup or Spiked Sample: 74356.24; LCS: Clean Sand; QC Prepared: 09/17/2014; QC Analyzed: 09/17/2014; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
TPH as Diesel (C13-C22)	500	540	108	500	518	104	3.77	75-125	<20	
Surrogates										
Chlorobenzene	100	96.1	96.1	100	96.0	96.0	<1	75-125	<20	

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Telephone: (925)948-2600
Attn: Ian Bruce

Site

1402 Dogwood Road

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Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-1; Dup or Spiked Sample: 74356.01; Units: % wt

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Moisture Content	13.9	13.9	<1	<20						

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Attn: Ian Bruce

Site

1402 Dogwood Road

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Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-2; Dup or Spiked Sample: 74356.16; Units: % wt

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Moisture Content	11.4	12.4	8.4	<20						

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Attn: Ian Bruce

Site

1402 Dogwood Road

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Project ID: 20074.063.501-1002
Project Name: City of El Centro

AETL Job Number	Submitted	Client
74356	09/12/2014	WSO

Method: ASTM-D2216, Moisture Content

QC Batch No: 091714-3; Dup or Spiked Sample: 74356.31; Units: % wt

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Moisture Content	8.70	8.40	3.5	<20						

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

APPENDIX C – HAZARDOUS MATERIALS SURVEY REPORTS

Hazardous Materials Survey Report

OFFICE BUILDING
1402 DOGWOOD STREET
EL CENTRO, CA

For:

WESTON SOLUTIONS
IAN BRUCE
1340 TREAT BLVD, SUITE 210
WALNUT CREEK, CA 94597

CALINC TRAINING LLC

September 26, 2014

2040 PEABODY ROAD SUITE 400 | VACAVILLE, CA 95687
800.359.4467 | TRAINING@CAL-INC.COM | WWW.CAL-INC.COM

HAZARDOUS MATERIALS SURVEY REPORT

Office Building
1402 Dogwood Street
El Centro, CA 92243

Prepared for:

CALINC Training, LLC
2040 Peabody Road
Vacaville, CA 95687

Prepared by:

HEFFERNAN ENVIRONMENTAL
691 FOREST RIDGE CIRCLE, VACAVILLE, CA 95687
(707) 628-4836 TELEPHONE

SEPTEMBER 26, 2014

HEFFERNAN ENVIRONMENTAL

September 26, 2014

Mr. Rafael Brown
CALINC Training
2040 Peabody Road
Vacaville, CA 95687
Cal Inc #3112

RE: <u>Hazardous Materials Survey</u>
OFFICE BUILDING
1402 DOGWOOD STREET
EL CENTRO, CA 92243

Dear Mr. Brown,

Heffernan Environmental is pleased to provide this report documenting the Asbestos survey at the above referenced location. This work was performed in general accordance with applicable government and industry standards.

We appreciate the opportunity to provide environmental services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact the undersigned at (707) 628-4836.

Sincerely;

HEFFERNAN ENVIRONMENTAL

Surveyor:

Christopher Heffernan, CSST
Environmental Consultant
CSST #06-4068

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APPENDICES

A. CERTIFICATIONS
B. LABORATORY ANALYSIS AND CHAIN OF CUSTODIES
C. PHOTOS & FLOOR DIAGRAM

1.0 Executive Summary

At your request, Heffernan Environmental conducted a pre-renovation asbestos survey to determine the asbestos content of suspect materials which may be impacted by the scheduled demolition activities at the above referenced facility. The building is approximately thirty (30) years old and approximately 2000 square feet in size. The building is all office space. The space has been significantly damaged by fire. This survey complies with the all local Air Quality Management District (AQMD) Rule 1403 for demolition/renovation activities and is limited to the accessible areas within the residence. All sampling was completed by Christopher Heffernan, CSST #06-4068 on September 11, 2014.

2.0 Methodologies

Samples collected for asbestos content were analyzed by EPA Method 600/M4-82-020 per *40 CFR 763* using Polarized Light Microscopy (PLM). EPA method 600/R-93/116 Analysis was conducted by Forensic Analytical. Forensic Analytical is a NVLAP/CA ELAP accredited laboratory in Hayward, California.

Paint chip or other surface coating material samples collected for lead content were analyzed by EPA Method SW 846 3050B/7000B at Forensic Analytical. Forensic Analytical is a NVLAP/CA ELAP accredited laboratory in Hayward, California. *Sampling for lead content was conducted for construction purposes only.*

3.0 Asbestos

3.1 Asbestos Sampling Protocol

A minimum sample amount per material is collected based on building material type and category (*as defined by the EPA*), square footage and similarity (homogeneous in color, texture and installation dates). In accordance with EPA protocol, a material is considered to contain asbestos if results of any of the homogenous material samples indicate that asbestos is present. A material shall be considered non asbestos containing only if all samples collected of that material indicate that no asbestos is detected.

Materials containing greater than one percent (>1%) asbestos as determined by Polarized Light Microscopy methodology are considered to be an asbestos-containing materials (ACM) according to the Environmental Protection Agency (EPA). These materials are subject to regulatory provisions under 40 CFR 61.
Materials containing greater than one tenth of one percent (>0.1%) asbestos as determined by Polarized Light Microscopy methodology are considered to be an asbestos-containing construction materials (ACCM) according to California Occupational Safety and Health Administration (Cal-OSHA). These materials are subject to regulatory provisions under CCR Title 8, Section 1529.

Heffernan Environmental collected a total of sixteen (16) bulk samples for asbestos content. In accordance with EPA bulk sampling method protocols, the laboratory must separate all layers within a single sample resulting in additional separate samples for analysis. **The following table summarizes the building materials samples that were found to contain asbestos based on the limitations of the analytical method**:

Table I: Summary of Building Materials Sampled Found To Contain Asbestos

SAMPLE #	MATERIAL	LOCATION	RESULTS	400 PC RESULTS	CONDITION
A-04	Brown tile	Bathroom floor	Trace***	<0.57%chrysotile	Damaged
A-10	Vapor barrier	Roof	40% chrysotile	NA	Damaged
A-11-A-12	Vapor barrier	South wall	****	NA	Damaged

*****= analyzed additionally using an EPA approved point count method**
******=Sampling found first positive, therefore based on EPA protocol all homogenous material must be assumed as positive.**

3.2 Recommendations

Although reasonable effort was made to survey all accessible suspect materials, additional suspect but not sampled materials could be located between walls, in voids, or in other concealed areas. Caution should be exercised regarding these areas. Prior to any repair, renovation, or demolition activities affecting concealed areas, destructive inspection is recommended as a precaution.

If additional impacted suspect ACM's are discovered during renovations, servicing or maintenance related work for which there are no sample documentation/results, AEG recommends pursuing one of the following alternatives: Sample and analyze the discovered suspect material(s) to determine whether it contains asbestos; or assume the material(s) to be asbestos-containing materials, quantify and remove on a unit cost basis.

No asbestos was detected in any of the other samples based on the limitations of the analytical method. A copy of the asbestos analytical results and chain of custody are included in the appendices portion of this report.

3.3 Disposal

Any materials containing greater than 1% asbestos are subject to regulations under EPA (NESHAP) governing the storage, transportation and disposal of hazardous waste. If any materials contain less than 1% asbestos (and no lead-based paint is present), these materials may be properly bagged and disposed of as construction debris. If no asbestos is present (and no lead-based paint is present), the material may be disposed of as construction debris.

NESHAP has allowed for the composite sampling of drywall and joint compound for disposal purposes *only*. If the drywall and joint compound composite sample results indicate a content of less than 1% asbestos, the drywall and joint compound may be properly bagged and disposed of as construction debris, regardless of the asbestos content of the joint compound itself. If the drywall and joint compound composite sample results indicate a content of greater than 1% asbestos, then this material is subject to the EPA (NESHAP) regulations governing the storage, transportation and disposal of hazardous waste.

4.0 Lead Paint Chip Sampling Protocol and Analytical Results

Representative paint chip or other surface coating material samples shall be collected for lead content of each dissimilar building component type which have common substrates and paint, stain, varnish or shellac color.

The State of California, HUD, and the Environmental Protection Agency (EPA) define lead-based paint as a painted or other surface coating material containing greater than or equal to (≥) 0.5% by weight *(40 CFR Part 745).* However, Cal-OSHA requires that initial employee exposure monitoring be conducted to evaluate work exposure during work that disturbs lead-containing material where lead is present in any detectable level (*CCR Title 8, Section 1532.1*).

Heffernan Environmental collected a total of four (4) paint chip or other surface coating material samples for lead content.

Table II: Summary of Paint Chip Samples Found to Contain Lead

SAMPLE #	MATERIAL	LOCATION	RESULTS	EST. QTY.	CONDITION
L-01	Wood	Red ext. trim paint	1.1% by wt	NA	Poor
L-02	Wood	Beige ext. base paint	0.17% by wt.	NA	Good
L-03	Wood	Green exterior base coat	0.25% by wt.	NA	Good

A copy of the lead analytical results and chain of custody are included in the appendices.

Recommendations and Disposal

All "loose and flaky paint greater than 0.5% by weight shall be stabilized prior to any demolition activities. Once demolition has occurred the demolition contractor shall be responsible for hiring a third party consultant to collect composite samples of the debris for waste profiling purposes.

5.0 Limitations

Heffernan Environmental is committed to providing quality consulting services. However, asbestos survey and/or lead inspection work is not an exact science. The possibility of field and general conditions, beyond Heffernan Environmentals control, that affect our work or that present a concern for the safety of our employees, our consultants, tenant occupants and the public at the site, and insurance constraints, requires that we qualify the services we provide with the following limitations:

- Although reasonable effort was made to sample all accessible suspect materials which will be impacted during the repairs/restoration activities of the damaged areas, additional suspect materials could be located between walls, in voids, or in other concealed areas. Caution should be exercised regarding these areas. In the event that additional materials are found which have not been sampled, Heffernan Environmental recommends that work stops until those materials can be sampled for asbestos and/or lead content

- In addition, sampling and laboratory analysis constraints typically hinder the investigation. Heffernan Environmental does not warrant, guarantee or profess to have the ability to locate or identify all asbestos-containing materials in a facility.
- Confined spaces, and areas determined by Heffernan Environmentals personnel as unsafe to access, are excluded from the scope of work.
- Heffernan Environmental is not, and has no responsibility as, a generator, operator, treater, storer, transporter or disposer of hazardous materials or waste found or identified as a result of Heffernan Environmentals work.
- Heffernan Environmental does not guarantee or warrant that the facility or workplace is safe; nor does Heffernan Environmentals involvement in this property relieve the Client, building owner/operator or tenant of any continuing responsibility of providing a safe facility or living space.
- This report was based on those conditions observed on the day the field evaluation was accomplished. In the event that changes in the nature of the property have occurred, or additional relevant information about the property is subsequently discovered, the findings contained in this report may not be valid unless these changes and additional relevant information are reviewed and the conclusion of this report is modified and verified in writing.

APPENDIX A
Certifications

CERTIFIED SITE SURVEILLANCE TECHNICIAN

MR. CHRISTOPHER HEFFERNAN

CERTIFICATION NO. 06-4068


State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician
Christopher M Heffernan
Name
Certification No. 06-4068
Expires on 10/18/14
This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

APPENDIX B
Lab Analysis and Chain of Custodies

SEE ATTACHED

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Heffernan Environmental
Chris Heffernan
691 Forest Ridge Circle

Vacaville, CA 95687

Client ID: L1567
Report Number: B195854
Date Received: 09/12/14
Date Analyzed: 09/17/14
Date Printed: 09/17/14
First Reported: 09/17/14

Job ID/Site: 477-1402 Dogwood Rd - Office Blding

Date(s) Collected: 09/11/2014

FALI Job ID: L1567
Total Samples Submitted: 16
Total Samples Analyzed: 12

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
A-01	11559983						
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (95 %)		**Asbestos (ND)**					
A-02	11559984						
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (95 %)		**Asbestos (ND)**					
A-03	11559985						
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (95 %)		**Asbestos (ND)**					
A-04	11559986						
Layer: Brown Tile		Chrysotile	**Trace**				
Layer: Black Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (Trace)**					
A-05	11559987						
Comment: Sample not analyzed due to prior positive result in series.							
A-06	11559988						
Comment: Sample not analyzed due to prior positive result in series.							
A-07	11559989						
Layer: Off-White Drywall			**ND**				
Total Composite Values of Fibrous Components: Cellulose (10 %)		**Asbestos (ND)**					
A-08	11559990						
Layer: Off-White Drywall			**ND**				
Total Composite Values of Fibrous Components: Cellulose (10 %)		**Asbestos (ND)**					

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Report Number: B195854

Client Name: Heffernan Environmental **Date Printed:** 09/17/14

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
A-09	11559991						
Layer: Off-White Drywall			**ND**				
Total Composite Values of Fibrous Components: Cellulose (10 %)		**Asbestos (ND)**					
A-10	11559992						
Layer: Black Felt		Chrysotile	**40 %**				
Total Composite Values of Fibrous Components: Cellulose (40 %)		**Asbestos (40%)**					
A-11	11559993						
Comment: Sample not analyzed due to prior positive result in series.							
A-12	11559994						
Comment: Sample not analyzed due to prior positive result in series.							
A-13	11559995						
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
A-14	11559996						
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
A-15	11559997						
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
A-16	11559998						
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Bulk Asbestos Material Analysis

(EPA Method 600/R-93/116, Point Count Analysis)

Heffernan Environmental
Chris Heffernan
691 Forest Ridge Circle

Vacaville, CA 95687

Client ID: L1567
Report Number: N006622
Date Received: 09/12/14
Date Analyzed: 09/19/14
Date Printed: 09/19/14

Job ID/Site: 477-1402 Dogwood Rd - Office Blding

PLM Report Number: B195854

FALI Job ID: L1567
Total Samples Submitted: 1
Total Samples Analyzed: 1

Sample Preparation and Analysis:

Each sample was prepared using the gravimetric technique. A representative subsample was weighed, ashed for eight hours, and reweighed to determine the proportion of the organic component. The ashed residue was ground in concentrated hydrochloric acid, dried and reweighed to determine the acid-soluble component weight percentage. The residual material was analyzed for asbestos using polarized light microscopy. Asbestos quantitation was performed using the semi-quantitative Point Count method following the general guidelines in EPA Method 600/R-93/116. The analytical sensitivity for the method is calculated as the asbestos concentration that results from one point counted in the analysis adjusted using the residual weight of the sample. The limit of detection for this method has not been determined.

Sample ID	Lab Number	Sample Description
A-04	11559986	**Brown Tile**

Point Count Results:

Number of asbestos points counted:	13	Organic weight percentage:	33.40
Number of non-empty points:	400	Acid-soluble weight percentage	49.20
Percent asbestos in layer:	**0.57**	Residual weight percentage:	17.40
Analytical sensitivity (%):	0.04		
Asbestos type(s) detected:	Chrysotile		

Comment:

Tad Thrower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Forensic Analytical Laboratories

Metals Analysis of Paints

Heffernan Environmental
Chris Heffernan
691 Forest Ridge Circle

Vacaville, CA 95687

Client ID: L1567
Report Number: M153740
Date Received: 09/12/14
Date Analyzed: 09/17/14
Date Printed: 09/17/14
First Reported: 09/17/14

Job ID / Site: 477-1402 Dogwood Rd., Office Bldg.
Date(s) Collected: 9/11/14

FALI Job ID: L1567
Total Samples Submitted: 3
Total Samples Analyzed: 3

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
L-01	30694445	Pb	1.1	wt%	0.07	EPA 3050B/7420
L-02	30694446	Pb	0.17	wt%	0.01	EPA 3050B/7420
L-03	30694447	Pb	0.25	wt%	0.02	EPA 3050B/7420

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Daniele Siu

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Client No.: L-1567 Hefferman Environmental 691 Forest Ridge Circle Vacaville, CA 95687 (707)628-4836	PO / Job#: 477-1402 Dogwood Rd Date: 09/11/2014 Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day ☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer [redacted] / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: Chris Hefferman Phone: (707)628-4836 Fax: E-mail: Christopher@heffermanenvironmental.com Site: Site Location: [redacted] office Bldng	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass) ☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project ☐ Metals Analysis: Method: [redacted] Matrix: Analytes:
Comments: **STOP AT 1ST POSITIVE**	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
A-01		12" x 12" nail iN ceiling tile	A P C				
A-02		↓	A P C				
A-03		↓	A P C				
A-04		12" x 12" VFT - Bthrm - 65 SF	A P C				
A-05		↓	A P C				
A-06		↓	A P C				
A-07		Drywall - OFFICE AREA	A P C				
A-08		↓	A P C				
A-09		↓	A P C				
A-10		VAPor barrier - ROOF	A P C				

Sampled By: C. Hefferman Date/Time:

Shipped Via: ▪ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: [signature] Date / Time: 09/11/14	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: [signature] Date / Time: 09-12-14 A 10:45 RCVD Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Hefferman Environmental, 691 Forest Ridge Circle, Vacaville, CA 95687, (707)628-4836	Client No.: L-1567
PO / Job#: 477-1402 Dogwood Rd	Date: 09/11/2014
Turn Around Time: Same Day / 1Day / 2Day / [redacted] / 4Day / 5Day	
☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer	
[redacted] / ☐ Point Count 400 - 1000 / ☐ CARB 435	
Contact: Chris Heffernan	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
Phone: (707)628-4836 Fax:	
E-mail: Christopher@heffernanenvironmental.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site:	☐ Metals Analysis: Method: [redacted]
Site Location: [redacted] OFFICE BLDG	Matrix: Analytes:
Comments: STOP AT 1ST POSITIVE	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
A-11		Vapor Barrier - N. Wall	A P C				
A-12		Vapor ↓ - S. Wall	A P C				
A-13		ext. stucco - N, end	A P C				
A-14		↓ ↓ W. end	A P C				
A-15		↓ ↓ S. end	A P C				
L-01 **		Red ext, trim Paint	A P C				
L-02 **		Beige ext, Base Paint	A P C				
L-03 **		Green ext. Base Paint	A P C				
** Analyze for PB** results in PPM			A P C				
A-16		concrete slab chip	A P C				

Sampled By: C. Heffernan Date/Time:

Shipped Via: ▪ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: [signature] Date / Time: 09/11/14	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: 09-12-14A10:45 RCVD Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

APPENDIX C
Photos and Site Diagram

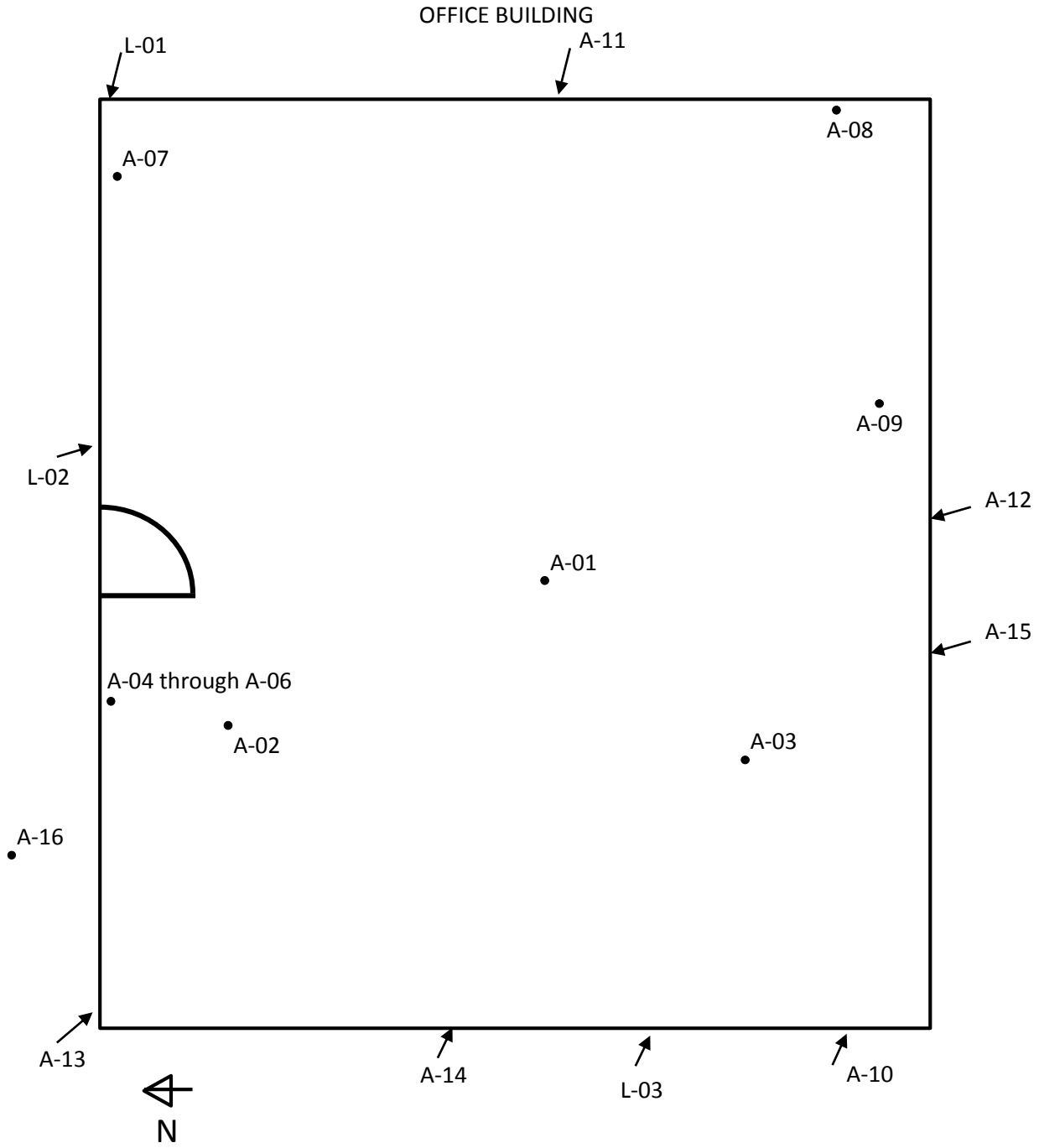
MAIN WORK AREA

BATHROOM

NAIL DOWN CEILING TILE

DAMAGED DRYWALL

SAMPLING DIAGRAM



Hazardous Materials Survey Report

RESIDENTIAL BUILDING
1402 DOGWOOD STREET
EL CENTRO, CA

For:

WESTON SOLUTIONS
IAN BRUCE
1340 TREAT BLVD, SUITE 210
WALNUT CREEK, CA 94597

CALINC TRAINING LLC

September 26, 2014

2040 PEABODY ROAD SUITE 400 | VACAVILLE, CA 95687
800.359.4467 | TRAINING@CAL-INC.COM | WWW.CAL-INC.COM

HAZARDOUS MATERIALS SURVEY REPORT

House Building
1402 Dogwood Street
El Centro, CA 92243

Prepared for:

CALINC Training
2040 Peabody Road
Vacaville, CA 95687

Prepared by:

HEFFERNAN ENVIRONMENTAL
691 FOREST RIDGE CIRCLE, VACAVILLE, CA 95687
(707) 628-4836 TELEPHONE

SEPTEMBER 26, 2014

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A. CERTIFICATIONS
B. LABORATORY ANALYSIS AND CHAIN OF CUSTODIES
C. PHOTOS & FLOOR DIAGRAM

HEFFERNAN ENVIRONMENTAL

September 26, 2014

Mr. Rafael Brown
CALINC Training
2040 Peabody Road
Vacaville, CA 95687
Cal Inc #3112

RE: <u>Hazardous Materials Survey</u>
HOUSE BUILDING
1402 DOGWOOD STREET
EL CENTRO, CA 92243

Dear Mr. Brown,

Heffernan Environmental is pleased to provide this report documenting the Asbestos survey at the above referenced location. This work was performed in general accordance with applicable government and industry standards.

We appreciate the opportunity to provide environmental services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact the undersigned at (707) 628-4836.

Sincerely;

HEFFERNAN ENVIRONMENTAL

Surveyor:

Christopher Heffernan, CSST
Environmental Consultant
CSST #06-4068

1.0 Executive Summary

At your request, Heffernan Environmental conducted a pre-renovation asbestos survey to determine the asbestos content of suspect materials which may be impacted by the scheduled demolition activities at the above referenced facility. The building is approximately thirty (30) years old and approximately 1100 square feet in size. The building is residential space. The space has been significantly damaged by fire. The roof of the structure was unsafe to walk on but upon a visual assessment no vapor barrier was noted under the shake roof. This survey complies with the all local Air Quality Management District (AQMD) Rule 1403 for demolition/renovation activities and is limited to the accessible areas within the residence. All sampling was completed by Christopher Heffernan, CSST #06-4068 on September 11, 2014.

2.0 Methodologies

Samples collected for asbestos content were analyzed by EPA Method 600/M4-82-020 per *40 CFR 763* using Polarized Light Microscopy (PLM). EPA method 600/R-93/116 Analysis was conducted by Forensic Analytical. Forensic Analytical is a NVLAP/CA ELAP accredited laboratory in Hayward, California.

Paint chip or other surface coating material samples collected for lead content were analyzed by EPA Method SW 846 3050B/7000B at Forensic Analytical. Forensic Analytical is a NVLAP/CA ELAP accredited laboratory in Hayward, California. *Sampling for lead content was conducted for construction purposes only.*

3.0 Asbestos

3.1 Asbestos Sampling Protocol

A minimum sample amount per material is collected based on building material type and category (*as defined by the EPA*), square footage and similarity (homogeneous in color, texture and installation dates). In accordance with EPA protocol, a material is considered to contain asbestos if results of any of the homogenous material samples indicate that asbestos is present. A material shall be considered non asbestos containing only if all samples collected of that material indicate that no asbestos is detected.

Materials containing greater than one percent (>1%) asbestos as determined by Polarized Light Microscopy methodology are considered to be an asbestos-containing materials (ACM) according to the Environmental Protection Agency (EPA). These materials are subject to regulatory provisions under 40 CFR 61.
Materials containing greater than one tenth of one percent (>0.1%) asbestos as determined by Polarized Light Microscopy methodology are considered to be an asbestos-containing construction materials (ACCM) according to California Occupational Safety and Health Administration (Cal-OSHA). These materials are subject to regulatory provisions under CCR Title 8, Section 1529.

Heffernan Environmental collected a total of seven (7) bulk samples for asbestos content. In accordance with EPA bulk sampling method protocols, the laboratory must separate all layers within a single sample resulting in additional separate samples for analysis. **The following table summarizes the building materials samples that were found to contain asbestos based on the limitations of the analytical method:**

Table I: Summary of Building Materials Sampled Found To Contain Asbestos

SAMPLE #	MATERIAL	LOCATION	RESULTS	400 PC RESULTS	CONDITION
A-04	9"x9" VFT Black Mastic	Entire house (under carpet as well)	3% chrysotile 2% chrysotile	NA	damaged
A-05-A-06	9"x9" VFT	Entire house	****	NA	damaged

******=Sampling found first positive, therefore based on EPA protocol all homogenous material must be assumed as positive.**

3.2 Recommendations

Although reasonable effort was made to survey all accessible suspect materials, additional suspect but not sampled materials could be located between walls, in voids, or in other concealed areas. Caution should be exercised regarding these areas. Prior to any repair, renovation, or demolition activities affecting concealed areas, destructive inspection is recommended as a precaution.

If additional impacted suspect ACM's are discovered during renovations, servicing or maintenance related work for which there are no sample documentation/results, AEG recommends pursuing one of the following alternatives: Sample and analyze the discovered suspect material(s) to determine whether it contains asbestos; or assume the material(s) to be asbestos-containing materials, quantify and remove on a unit cost basis.

No asbestos was detected in any of the other samples based on the limitations of the analytical method. A copy of the asbestos analytical results and chain of custody are included in the appendices portion of this report.

3.3 Disposal

Any materials containing greater than 1% asbestos are subject to regulations under EPA (NESHAP) governing the storage, transportation and disposal of hazardous waste. If any materials contain less than 1% asbestos (and no lead-based paint is present), these materials may be properly bagged and disposed of as construction debris. If no asbestos is present (and no lead-based paint is present), the material may be disposed of as construction debris.

NESHAP has allowed for the composite sampling of drywall and joint compound for disposal purposes *only*. If the drywall and joint compound composite sample results indicate a content of less than 1% asbestos, the drywall and joint compound may be properly bagged and disposed of as construction debris, regardless of the asbestos content of the joint compound itself. If the drywall and joint compound composite sample results indicate a content of greater than 1% asbestos, then this material is subject to the EPA (NESHAP) regulations governing the storage, transportation and disposal of hazardous waste.

4.0 Lead Paint Chip Sampling Protocol and Analytical Results

Representative paint chip or other surface coating material samples shall be collected for lead content of each dissimilar building component type which have common substrates and paint, stain, varnish or shellac color.

The State of California, HUD, and the Environmental Protection Agency (EPA) define lead-based paint as a painted or other surface coating material containing greater than or equal to (≥) 0.5% by weight *(40 CFR Part 745).* However, Cal-OSHA requires that initial employee exposure monitoring be conducted to evaluate work exposure during work that disturbs lead-containing material where lead is present in any detectable level (*CCR Title 8, Section 1532.1*).

Heffernan Environmental collected a total of four (4) paint chip or other surface coating material samples for lead content.

Table II: Summary of Paint Chip Samples Found to Contain Lead

SAMPLE #	MATERIAL	LOCATION	RESULTS	EST. QTY.	CONDITION
L-01	Plaster	Int. beige paint	16000ppm	NA	Poor
L-02	Wood	Ext. green paint	21000ppm	NA	Poor
L-03	Wood	Ext. beige paint	<60ppm	NA	Good
L-04	Wood	Ext. blue trim paint	5400ppm	NA	Poor

A copy of the lead analytical results and chain of custody are included in the appendices.

Recommendations and Disposal

All "loose and flaky paint greater than 0.5% by weight or 5,000 PPM shall be stabilized prior to any demolition activities. Once demolition has occurred the demolition contractor shall be responsible for hiring a third party consultant to collect composite samples of the debris for waste profiling purposes.

5.0 Limitations

Heffernan Environmental is committed to providing quality consulting services. However, asbestos survey and/or lead inspection work is not an exact science. The possibility of field and general conditions, beyond Heffernan Environmentals control, that affect our work or that present a concern for the safety of our employees, our consultants, tenant occupants and the public at the site, and insurance constraints, requires that we qualify the services we provide with the following limitations:

- Although reasonable effort was made to sample all accessible suspect materials which will be impacted during the repairs/restoration activities of the damaged areas, additional suspect materials could be located between walls, in voids, or in other concealed areas. Caution should be exercised regarding these areas. In the event that additional materials are found which have not been sampled,

Heffernan Environmental recommends that work stops until those materials can be sampled for asbestos and/or lead content

- In addition, sampling and laboratory analysis constraints typically hinder the investigation. Heffernan Environmental does not warrant, guarantee or profess to have the ability to locate or identify all asbestos-containing materials in a facility.
- Confined spaces, and areas determined by Heffernan Environmentals personnel as unsafe to access, are excluded from the scope of work.
- Heffernan Environmental is not, and has no responsibility as, a generator, operator, treater, storer, transporter or disposer of hazardous materials or waste found or identified as a result of Heffernan Environmentals work.
- Heffernan Environmental does not guarantee or warrant that the facility or workplace is safe; nor does Heffernan Environmentals involvement in this property relieve the Client, building owner/operator or tenant of any continuing responsibility of providing a safe facility or living space.
- This report was based on those conditions observed on the day the field evaluation was accomplished. In the event that changes in the nature of the property have occurred, or additional relevant information about the property is subsequently discovered, the findings contained in this report may not be valid unless these changes and additional relevant information are reviewed and the conclusion of this report is modified and verified in writing.

APPENDIX A
Certifications

CERTIFIED SITE SURVEILLANCE TECHNICIAN

MR. CHRISTOPHER HEFFERNAN

CERTIFICATION NO. 06-4068


State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician
Christopher M Heffernan
Name
Certification No. 06-4068
Expires on 10/18/14
This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

APPENDIX B
Lab Analysis and Chain of Custodies

SEE ATTACHED

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Heffernan Environmental
Chris Heffernan
691 Forest Ridge Circle

Vacaville, CA 95687

Client ID: L1567
Report Number: B195856
Date Received: 09/12/14
Date Analyzed: 09/17/14
Date Printed: 09/17/14
First Reported: 09/17/14

Job ID/Site: 477 - 1402 Dogwood Rd., House

Date(s) Collected: 09/11/2014

FALI Job ID: L1567
Total Samples Submitted: 7
Total Samples Analyzed: 5

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
A-01	11560008						
Layer: White Plaster			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
A-02	11560009						
Layer: White Plaster			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
A-03	11560010						
Layer: White Plaster			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
A-04	11560011						
Layer: Beige Tile		Chrysotile	**3 %**				
Layer: Black Mastic		Chrysotile	**2 %**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (3%)**					
A-05	11560012						
Comment: Sample not analyzed due to prior positive result in series.							
A-06	11560013						
Comment: Sample not analyzed due to prior positive result in series.							
A-07	11560014						
Layer: Grey/Purple Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Report Number: B195856

Client Name: Heffernan Environmental **Date Printed:** 09/17/14

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Forensic Analytical Laboratories

Metals Analysis of Paints

Heffernan Environmental
Chris Heffernan
691 Forest Ridge Circle

Vacaville, CA 95687

Client ID: L1567
Report Number: M153757
Date Received: 09/12/14
Date Analyzed: 09/17/14
Date Printed: 09/17/14
First Reported: 09/17/14

Job ID / Site: 477-1402 Dogwood Rd., House
Date(s) Collected: 9/11/14

FALI Job ID: L1567
Total Samples Submitted: 4
Total Samples Analyzed: 4

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
L-01	30694481	Pb	16000	ppm	600	EPA 3050B/7420
L-02	30694482	Pb	21000	ppm	2000	EPA 3050B/7420
L-03	30694483	Pb	< 60	ppm	60	EPA 3050B/7420
L-04	30694484	Pb	5400	ppm	300	EPA 3050B/7420

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Daniele Siu

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Client No.: L-1567 Hefferman Environmental 691 Forest Ridge Circle Vacaville, CA 95687 (707)628-4836	PO / Job#: 477-1402 Dogwood Rd Date: 09/11/2014 Turn Around Time: Same Day / 1Day / 2Day / [redacted] / 4Day / 5Day ☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer [redacted] / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: Chris Hefferman Phone: (707)628-4836 Fax: E-mail: Christopher@heffernanenvironmental.com Site: Site Location: ~~Dogwood~~ House Comments: ** Results in PPM	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass) ☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project ☐ Metals Analysis: Method: [redacted] Matrix: Analytes: **STOP AT 1ST POSITIVE** Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
A-01		Plaster wall system	A P C				
A-02		↓ ↓ ↓	A P C				
A-03		↓ ↓ ↓	A P C				
A-04		9" x 9" VFT - 9005F	A P C				
A-05		↓ ↓ ↓	A P C				
A-06		↓ ↓ ↓	A P C				
A-07		ext. concrete slab	A P C				
**L-01		int. beige wall paint	A P C				
**L-02		ext. Green ~~white~~ base paint	A P C				
**L-[redacted]03		ext. Beige base Paint	A P C				

Sampled By: C. Hefferman Date/Time:

Shipped Via: ▪ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Date / Time: 09/11/14	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: 09-12-14A10:44 RCVD Condition Acceptable? ☑ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Heffernan Environmental 691 Forest Ridge Circle Vacaville, CA 95687 (707)628-4836	Client No.: L-1567
Contact: Chris Heffernan	
Phone: (707)628-4836	Fax:
E-mail: Christopher@heffernanenvironmental.com	
Site:	
Site Location: ~~Unit 8~~ house	
Comments: **STOP AT 1ST POSITIVE**	

PO / Job#: 477-1402 Dogwood Rd	Date: 09/11/2014
Turn Around Time: Same Day / 1Day / 2Day / [redacted] / 4Day / 5Day	
☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B	☐ Rotometer
[redacted] / ☐ Point Count 400 - 1000 / ☐ CARB 435	
☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)	
☐ IAQ Particle Identification (PLM LAB) ☐ Particle Identification (TEM LAB)	☐ PLM Opaques/Soot ☐ Special Project
☐ Metals Analysis: Method: [redacted] Matrix: Analytes:	
Report Via: ☐ Fax ☐ E-Mail ☐ Verbal	

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
** L-04		ext. Blue trim paint	A P C				
** Analyze for PB - results in PPM **			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: C. Heffernan Date/Time:

Shipped Via: ▪ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Date / Time: 09/11/14	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: 09-12-14A10:44 RCVD Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

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Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

APPENDIX C
Photos and Site Diagram

INTERIOR OF LIVING ROOM

KITCHEN WITH 9"X9" VFT

ROOF LINE VIEW

SAMPLING DIAGRAM

RESIDENTIAL BUILDING